

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME I--ETC(U)
JUN 81 DOT-EA79WAI-057

JUN 81

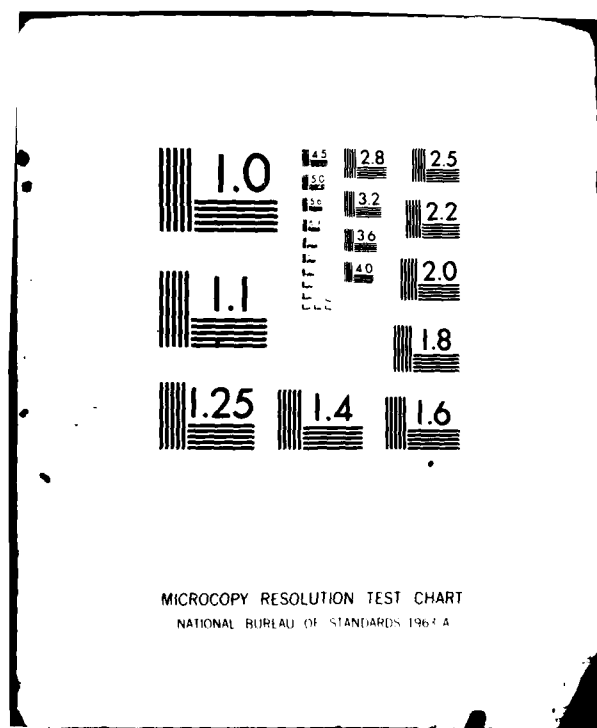
DOI-EA79WAI-057

ML

UNCLASSIFIED

105

ORIG.



AD A108157

DTIC FILE COPY

WIND - CEILING - VISIBILITY

DATA

AT SELECTED AIRPORTS

VOLUME II PART B
EASTERN REGION



JANUARY 1981

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

PLANS DEVELOPMENT DIVISION
OFFICE OF AVIATION POLICY AND PLANS

01 12 07 017

LEVEL

A108152

12

DTIC
SELECTED
DEC 7 1981
H

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

1. Report No.	2. Government Accession No. AD-A108157	3. Recipient's Catalog No.	
4. Title and Subtitle Wind-Ceiling-Visibility Data at Selected Airports - Volume II B - Eastern Region		5. Report Date June 1981	6. Performing Organization Code
7. Author(s)		8. Performing Organization Report No.	
9. Performing Organization Name and Address National Climatic Center Federal Building Asheville, North Carolina 28801		10. Work Unit No. (TRIS)	11. Contract or Grant No. DOT-FA79WAI-057
12. Sponsoring Agency Name and Address DOT/Federal Aviation Administration Office of Aviation Policy and Plans 800 Independence Avenue, S.W. Washington, D.C. 20591		13. Type of Report and Period Covered Final Report	
14. Sponsoring Agency Code		15. Supplementary Notes	
16. Abstract This report provides summary tables and graphic wind roses depicting wind direction and speed under specific ceiling - visibility conditions at 283 airports. This data will be used in the application of FAA's establishment criteria for precision and non-precision approach and landing aids.			
17. Key Words Ceiling, visibility, climatology		18. Distribution Statement Document is available to the public through the National Technical Information Service, Springfield, Va. 22151	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 442	22. Price

Form DOT F 1700.7 (8-72)

Reproduction of completed page authorized

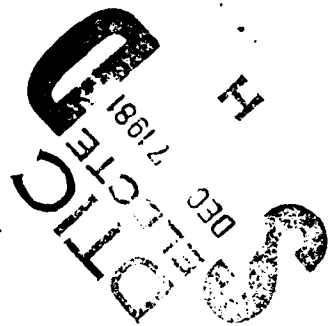
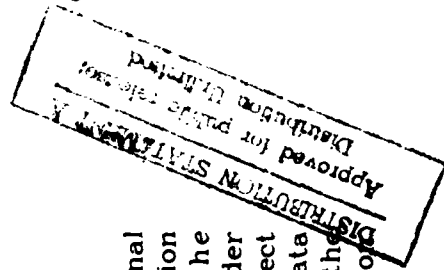
407970

Interagency Agreement DOT-FA79WAI-057

WIND-CEILING-VISIBILITY
DATA
AT SELECTED AIRPORTS

January 1981

This report has been prepared by the U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Climatic Center, Asheville, North Carolina for the Office of Aviation Policy and Plans, Federal Aviation Administration under Interagency Agreement No. DOT-FA79WAI-057. The contents of this report reflect the views of the contractor, who is responsible for the facts and accuracy of the data presented herein, and do not necessarily reflect the official views or policy of the FAA. This report does not constitute a standard, specification or regulation.

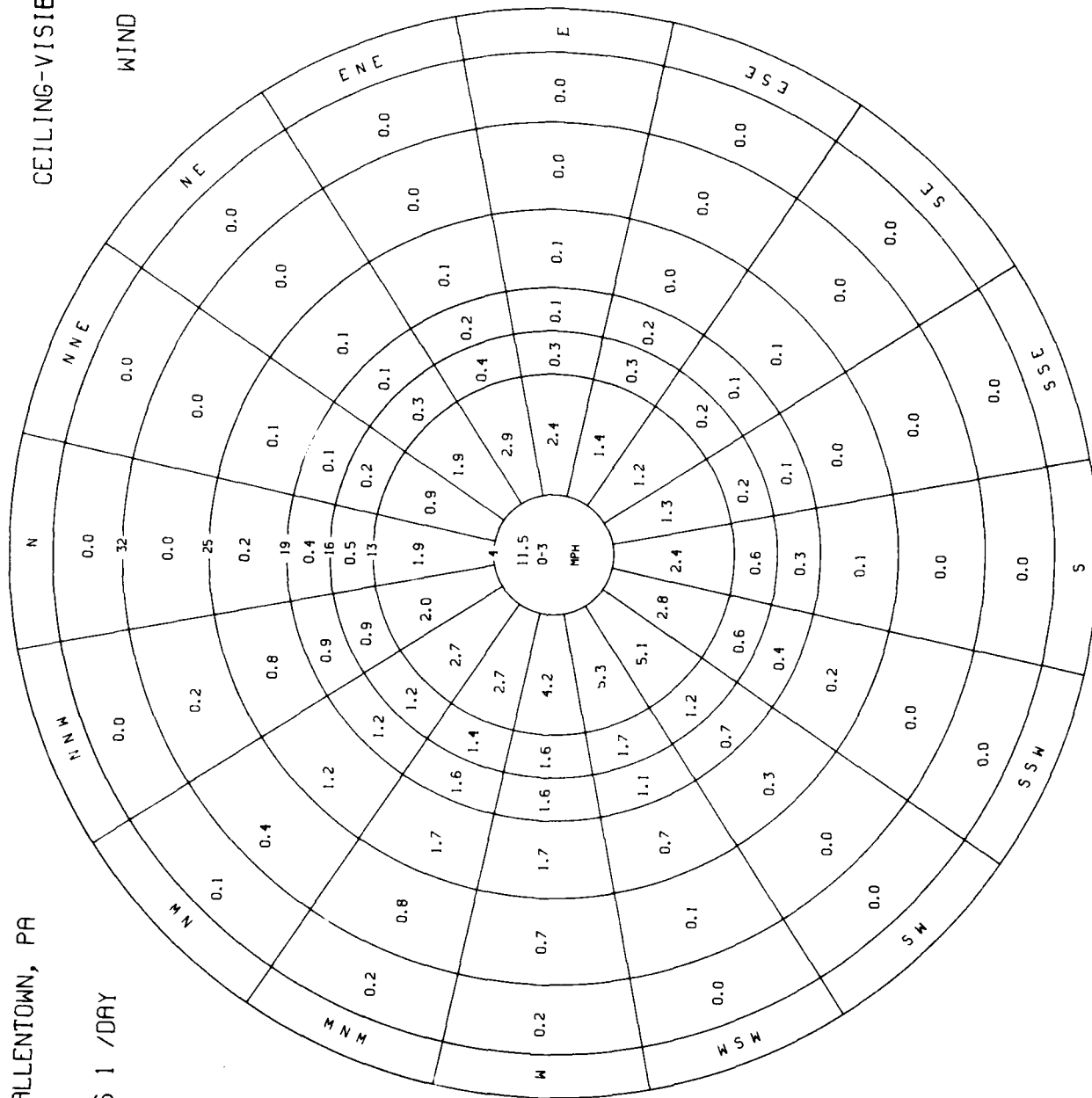


ABE ALLENTOWN, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



Accession For

☒ **WHS Serial**

☐ **FBI File**

☐ **Unrecorded**

☐ **Classification**

By _____

Distribution /

Availability Codes

and/or _____

Special _____

P

ANNUAL

PERIOD: 1948-1978

CLASS 1 / DAY

NO.	OBS.:	42610
-----	-------	-------

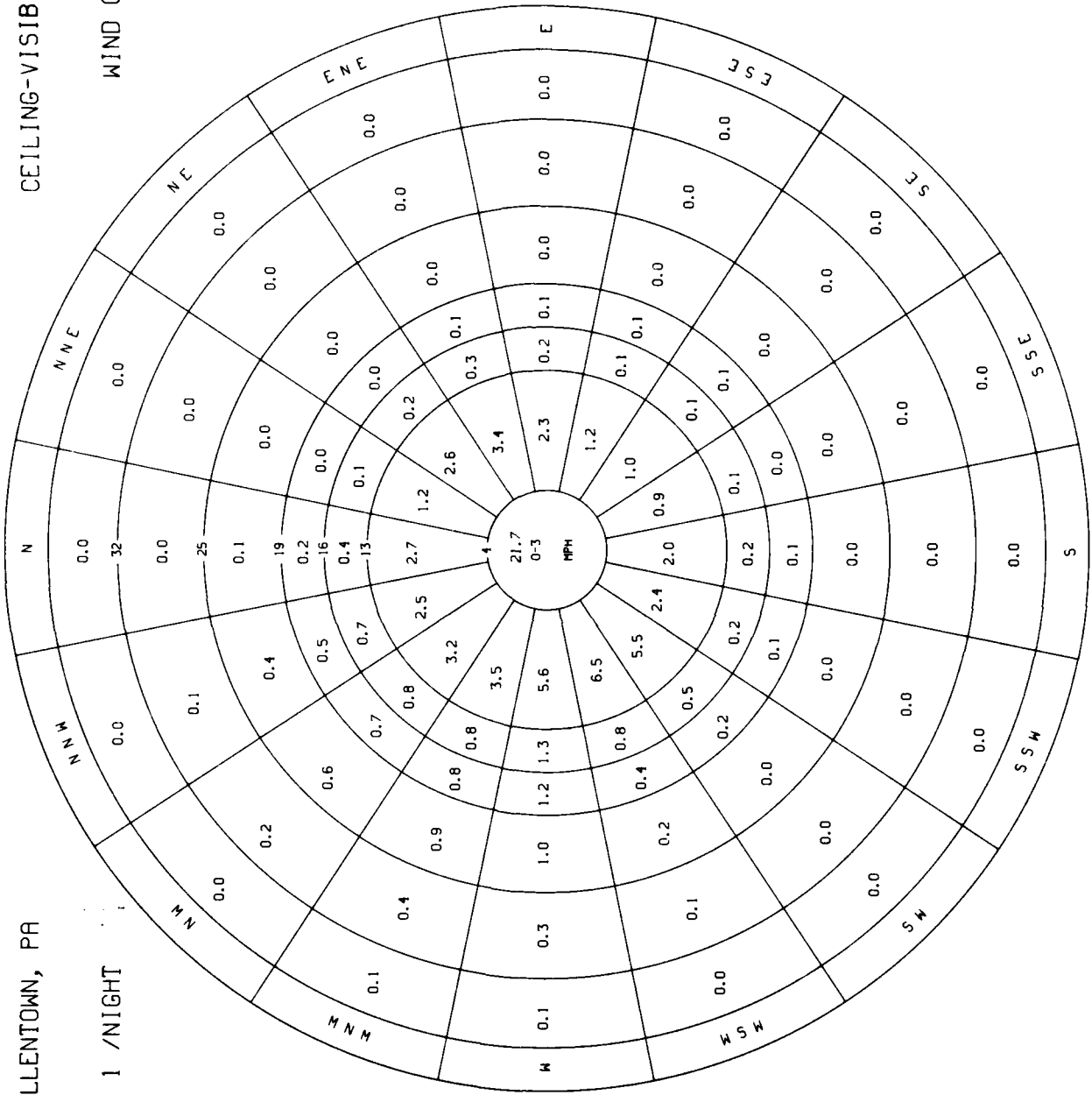
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	1.9	2.3	.5	.6	.4	.5	.2	.3	.0	.0	.0	.0	.0	.0	10.4
NNE	.2	.2	.9	1.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	8.9
NE	.4	.4	1.9	2.2	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	8.6
ENE	.4	.5	2.9	3.5	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	8.8
E	.5	.6	2.4	2.9	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	8.3
ESE	.2	.3	1.4	1.7	.3	.4	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	9.1
SE	.3	.3	1.2	1.5	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	8.9
SSE	.2	.2	1.3	1.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	9.3
S	.3	.4	2.4	2.9	.6	.8	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	9.9
SSW	.3	.4	2.8	3.4	.6	.8	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	10.1
SW	.5	.6	5.1	6.1	1.2	1.5	.7	.8	.3	.4	.0	.0	.0	.0	.0	.0	10.2
WSW	.5	.7	5.3	6.3	1.7	2.0	1.1	1.3	.7	.8	.1	.2	.0	.0	.0	.0	11.3
W	.5	.6	4.2	5.0	1.6	2.0	1.6	1.9	1.7	2.1	.7	.8	.2	.2	10.6	12.7	14.1
WNW	.4	.4	2.7	3.3	1.4	1.6	1.6	1.9	1.7	2.0	.8	1.0	.2	.3	8.7	10.4	15.6
NW	.4	.5	2.7	3.2	1.2	1.4	1.2	1.4	1.2	1.4	.4	.5	.1	.1	7.0	8.4	14.0
NNW	.2	.3	2.0	2.3	.9	1.1	.9	1.1	.8	1.0	.2	.2	.0	.0	5.0	6.0	13.6
CALM	5.7	6.8													5.7	6.8	
TOTAL	11.5	13.8	41.1	49.1	11.8	14.1	9.1	10.9	7.3	8.7	2.3	2.7	.6	.7	83.6	100	10.9

CEILING-VISIBILITY

WIND GRAPH

ABE ALLENTOWN, PA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 33539

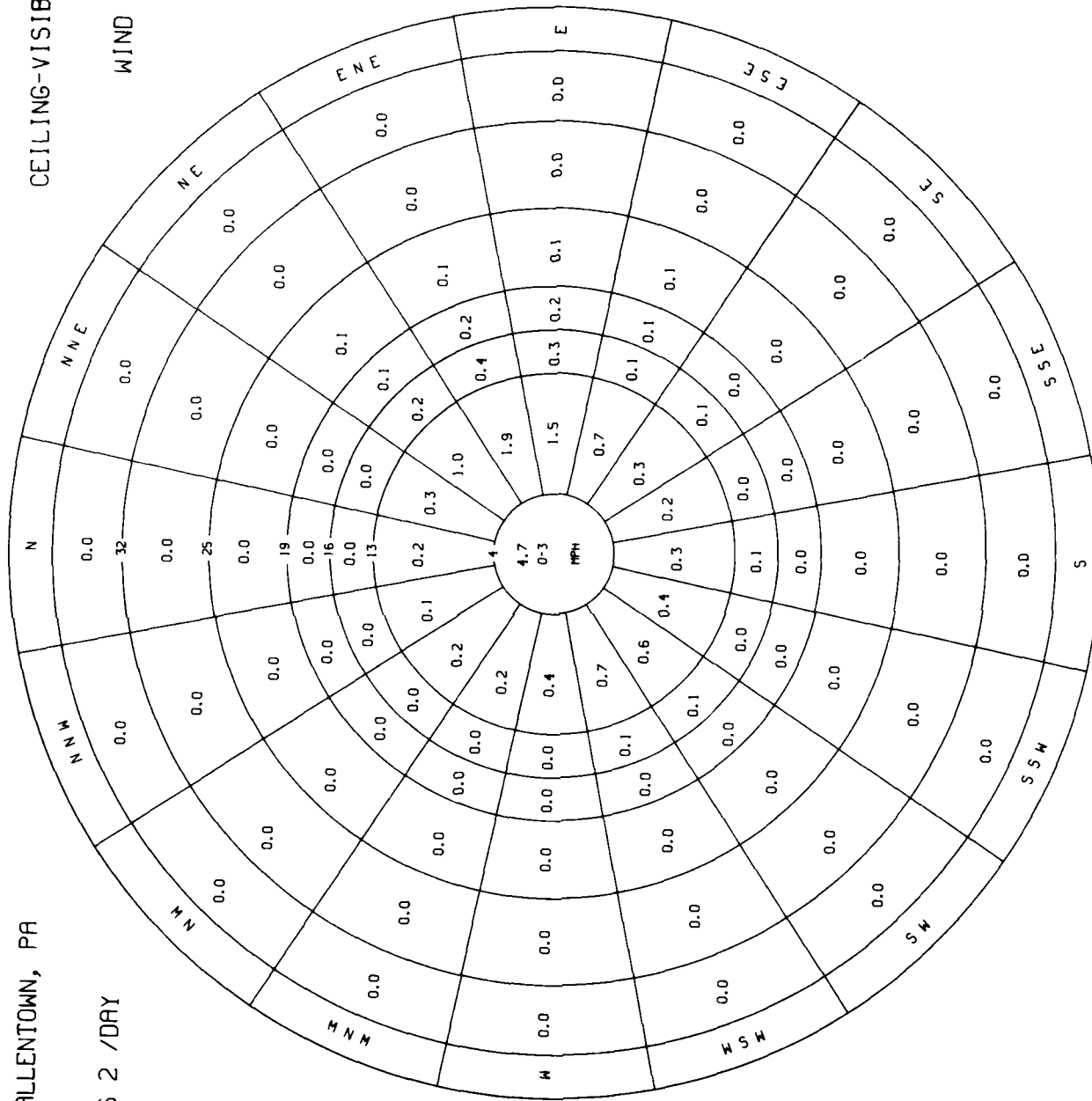
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.7	.8	2.7	3.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.0	4.7	8.0
NNE	.4	.5	1.2	1.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.2	7.1
NE	.5	.6	2.6	3.1	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.4	4.1	7.0
ENE	.6	.7	3.4	4.0	.3	.3	.1	.2	.0	.1	.0	.0	.0	.0	4.5	5.3	7.7
E	.6	.8	2.3	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.8	7.2
ESE	.3	.3	1.2	1.4	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.0	7.8
SE	.3	.3	1.0	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5	1.7	7.6
SSE	.2	.2	.9	1.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.2	1.4	7.8
S	.5	.5	2.0	2.4	.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.9	3.4	7.9
SSW	.4	.5	2.4	2.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.7	8.0
SW	.8	1.0	5.5	6.5	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	7.0	8.3	7.8
WSW	.9	1.1	6.5	7.7	.8	.9	.4	.4	.2	.3	.1	.1	.0	.0	8.9	10.5	8.6
W	1.1	1.3	5.6	6.7	1.3	1.5	1.2	1.4	1.0	1.1	.3	.4	.1	.2	10.7	12.6	11.1
WNW	.7	.8	3.5	4.1	.8	.9	.8	1.0	.9	1.1	.4	.5	.1	.1	7.2	8.5	12.2
NW	.8	.9	3.2	3.8	.8	.9	.7	.8	.6	.8	.2	.3	.0	.1	6.4	7.5	11.2
NNW	.5	.5	2.5	3.0	.7	.8	.5	.6	.4	.4	.1	.1	.0	.0	4.7	5.5	11.0
CALM	12.5	14.7													12.5	14.7	
TOTAL	21.7	25.6	46.6	55.0	6.8	8.0	4.6	5.4	3.5	4.1	1.2	1.5	.3	.4	84.7	100	7.9

ABE ALLENTOWN, PA

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14737

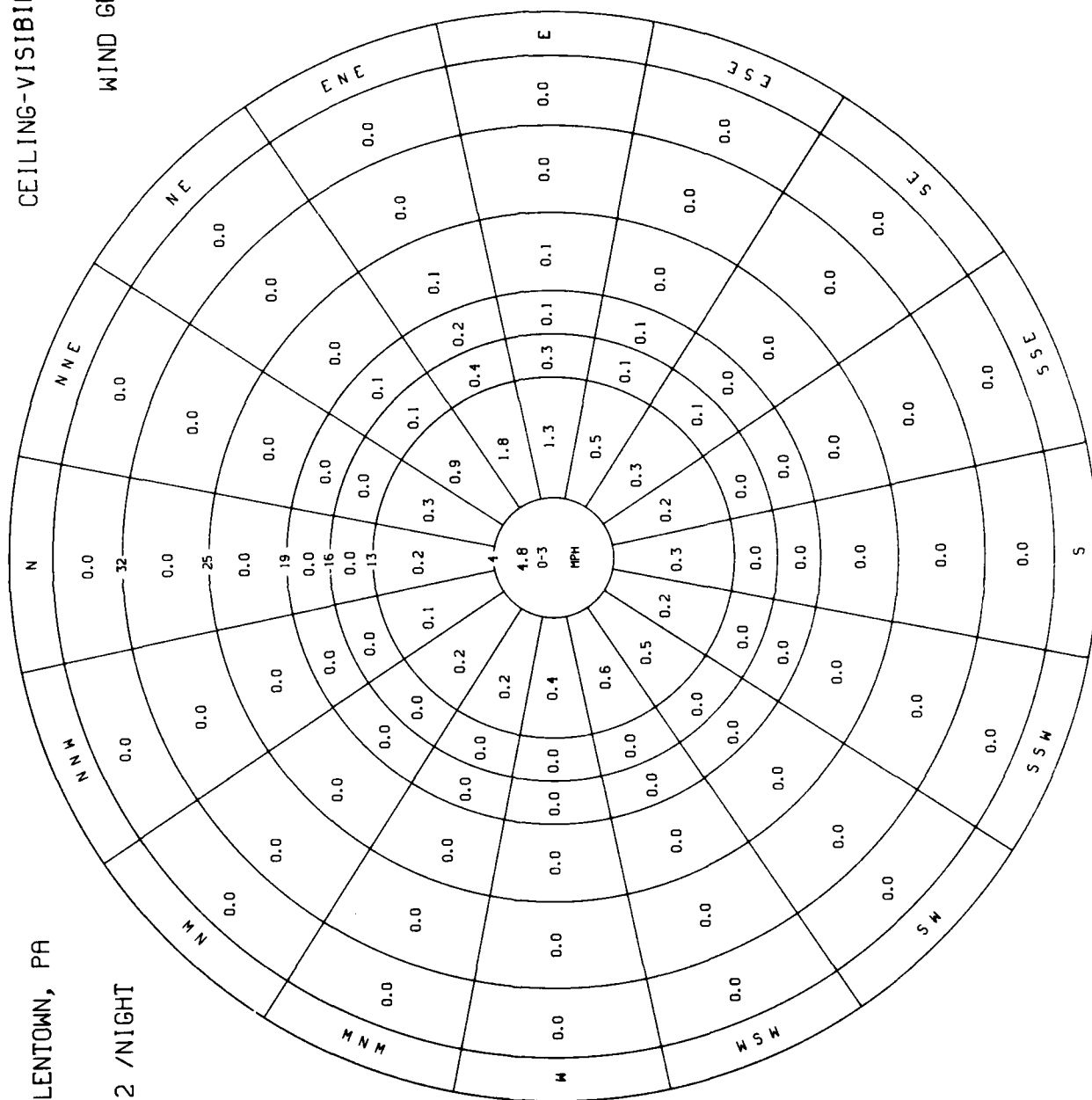
NO. OBS.: 8352

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.3
NNE	.1	.5	.3	1.6	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.6
NE	.2	1.0	1.0	6.0	.2	1.1	.1	.5	.1	.3	.0	.1	.0	.0	1.5 9.0
ENE	.2	1.4	1.9	11.3	.4	2.5	.2	1.3	.1	.6	.0	.1	.0	.0	2.8 17.1
E	.2	1.5	1.5	9.0	.3	1.9	.2	1.1	.1	.5	.0	.1	.0	.0	2.3 14.2
ESE	.1	.8	.7	4.0	.1	.6	.1	.5	.1	.3	.0	.0	.0	.0	1.0 6.2
SE	.1	.4	.3	2.0	.1	.4	.0	.2	.0	.2	.0	.0	.0	.0	.5 3.2
SSE	.0	.3	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.0
S	.1	.5	.3	1.9	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.0
SSW	.1	.4	.4	2.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.0
SW	.1	.8	.6	3.7	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.8 5.1
WSW	.1	.8	.7	4.2	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.9 5.6
W	.2	1.2	.4	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.2
WNW	.2	.9	.2	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.6
NW	.1	.7	.2	1.1	.0	.3	.0	.0	.0	.2	.0	.0	.0	.0	.4 2.4
NNW	.1	.5	.1	.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.4
CALM	2.6	16.2													2.6 16.2
TOTAL	4.7	28.5	8.8	54.0	1.5	8.9	.8	4.7	.5	3.0	.1	.7	.0	.2	16.4 100
															7.4

ABE ALLENTOWN, PA

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

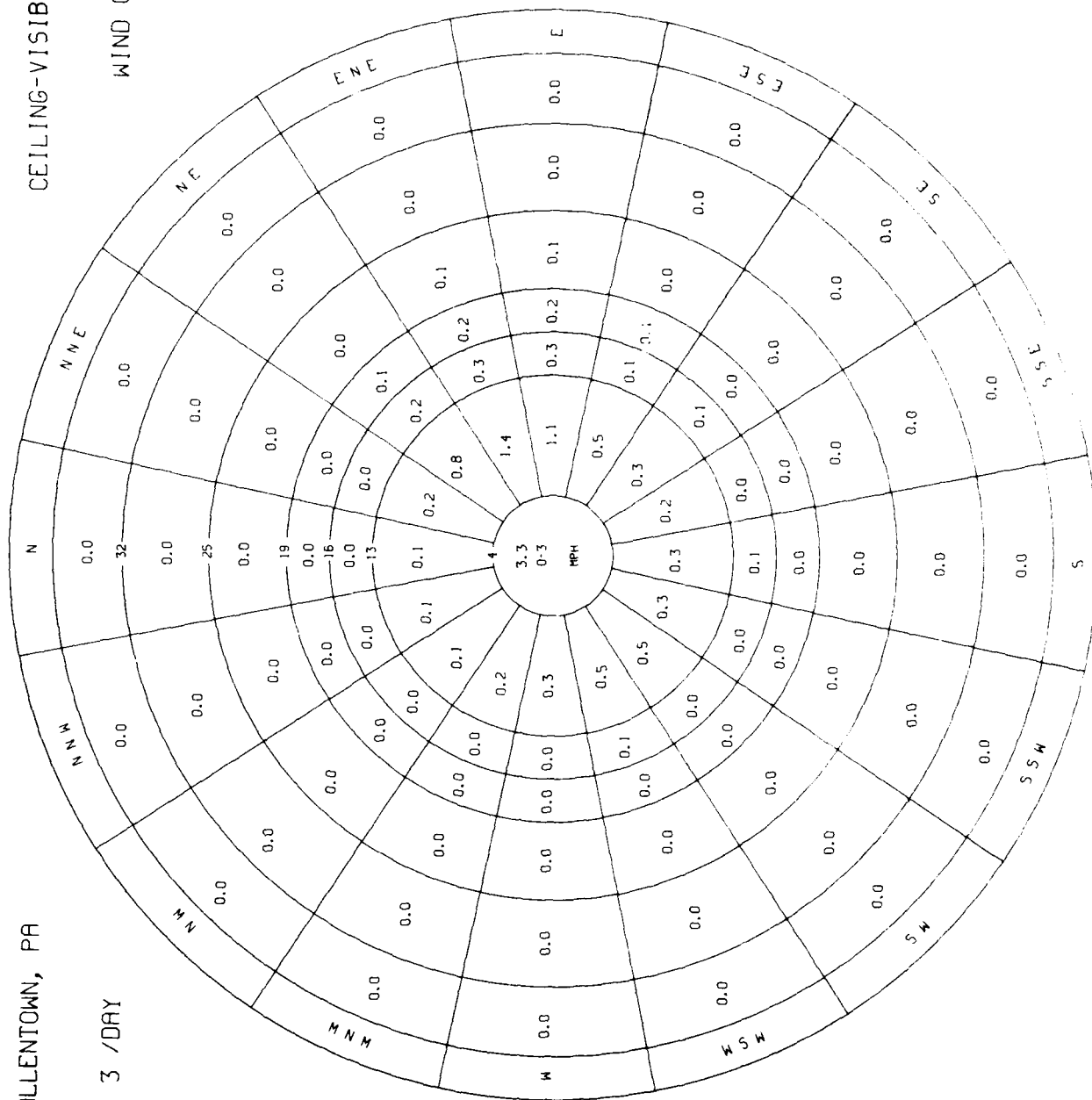
CLASS 2 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 6075

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.4 2.7
NNE	.1	.6	.3	1.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.9
NE	.2	1.1	.9	5.9	.1	.8	.1	.6	.0	.3	.0	.1	.0	.0	1.3 8.8
ENE	.3	1.7	1.8	11.7	.4	2.6	.2	1.3	.1	.7	.0	.3	.0	.0	2.8 18.3
E	.3	1.9	1.3	8.4	.3	1.8	.1	.9	.1	.5	.0	.1	.0	.0	2.1 13.6
ESE	.1	.5	.5	3.4	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.8 5.4
SE	.1	.5	.3	2.3	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.6 3.7
SSE	.1	.4	.2	1.2	.0	.2	.0	.1	.0	.2	.0	.1	.0	.0	.3 2.2
S	.1	.6	.3	1.8	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.0
SSW	.1	.5	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.3 2.2
SW	.1	.9	.5	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7 4.4
WSW	.2	1.0	.6	3.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.8 5.0
W	.2	1.4	.4	2.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.3
WNW	.2	1.0	.2	1.6	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.4 2.9
NW	.1	.9	.2	1.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.4 2.3
NNW	.1	.6	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 1.7
CALM	2.6	16.7													2.6 16.7
TOTAL	4.8	31.3	8.0	52.3	1.2	7.9	.7	4.4	.4	2.8	.2	1.1	.0	.1	15.3 100

ABE ALLENTOWN, PA
 CLASS 3 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: '348-1978

CLASS 3 / DAY

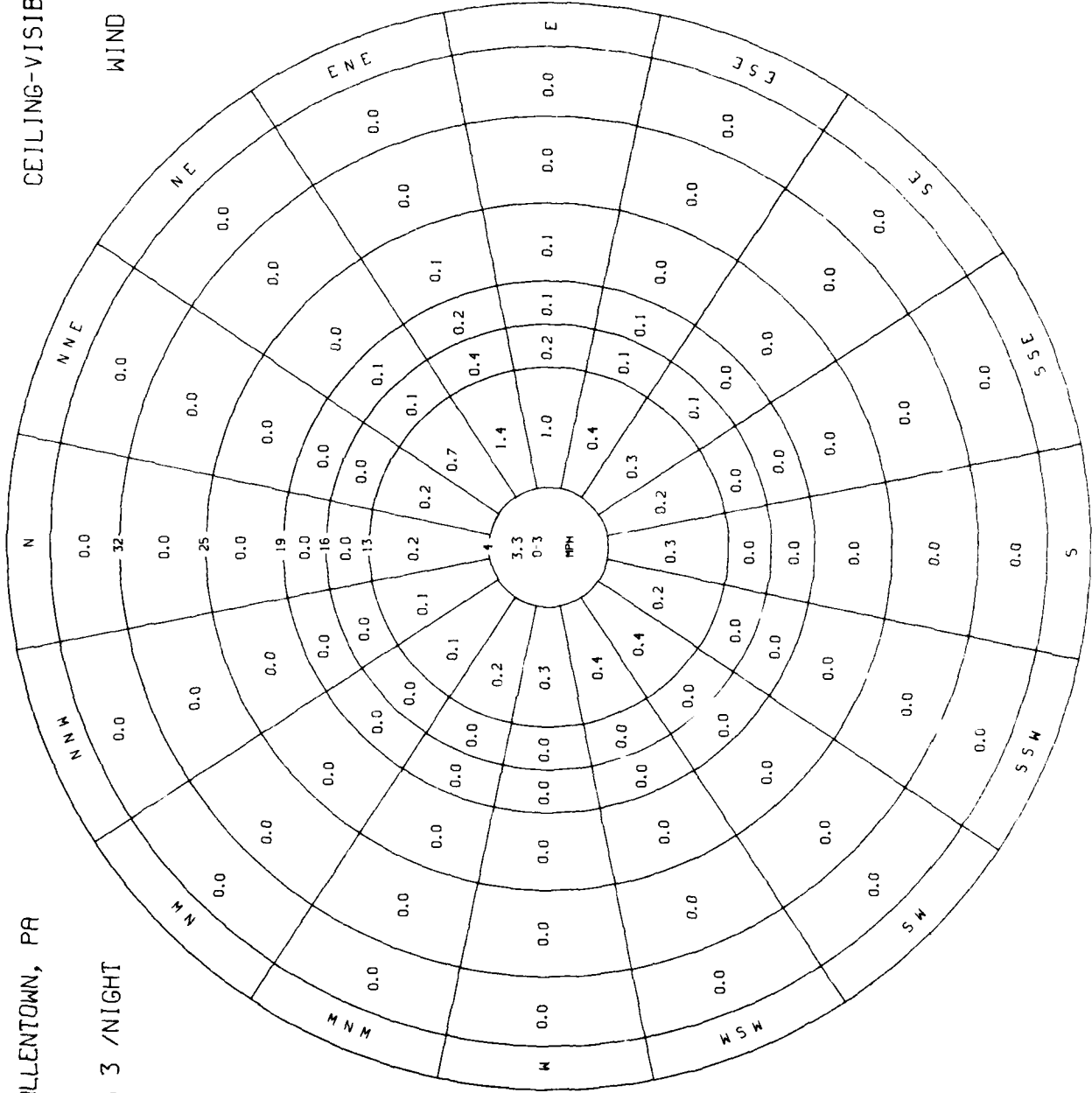
STATION NUMBER: 14737

NO. OBS.: 6502

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.6	.1	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.0	7.7
NNE	.1	.5	.2	1.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.3	8.2
NE	.1	1.0	.8	5.9	.2	1.2	.1	.5	.0	.3	.0	.1	.0	.0	1.1	9.0	9.3
ENE	.2	1.2	1.4	10.6	.3	2.7	.2	1.4	.1	.6	.0	.1	.0	.0	2.1	16.5	10.1
E	.2	1.4	1.1	9.0	.3	2.1	.2	1.3	.1	.6	.0	.2	.0	.1	1.9	14.6	10.2
ESE	.1	.8	.5	4.3	.1	.7	.1	.6	.0	.4	.0	.0	.0	.0	.9	6.8	9.7
SE	.1	.5	.3	2.3	.1	.4	.0	.2	.0	.3	.0	.0	.0	.0	.5	3.8	9.6
SSE	.0	.3	.2	1.4	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.3	2.4	9.6
S	.1	.5	.3	2.3	.1	.5	.0	.2	.0	.1	.0	.1	.0	.0	.5	3.6	9.2
SSW	.1	.4	.3	2.5	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.5	8.6
SW	.1	.8	.5	4.2	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7	5.5	7.7
WSW	.1	.7	.5	4.3	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7	5.6	8.1
W	.1	1.2	.3	2.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5	4.1	6.8
WNW	.1	.9	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.5	7.1
NW	.1	.6	.1	1.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	8.2
NNW	.1	.4	.1	.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.3	7.4
CALM	1.8	14.1													1.8	14.1	
TOTAL	3.3	25.7	7.0	54.9	1.3	10.0	.7	5.3	.4	3.3	.1	.7	.0	.2	12.8	100	7.8

CEILING-VISIBILITY WIND GRAPH

ABE ALLENTOWN, PA
CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 4666

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	.8	.2	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5	6.6
NNE	.1	.6	.2	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.9	7.2
NE	.1	1.0	.7	5.9	.1	.8	.1	.7	.0	.3	.0	.1	.0	.0	.0	1.0	8.7	9.1
ENE	.2	1.3	1.4	11.7	.4	3.0	.2	1.5	.1	.8	.0	.3	.0	.0	.0	2.2	18.7	10.2
E	.2	1.9	1.0	8.2	.2	2.1	.1	1.0	.1	.6	.0	.2	.0	.0	.0	1.6	14.0	9.9
ESE	.1	.6	.4	3.8	.1	.9	.1	.6	.0	.3	.0	.1	.0	.0	.0	.7	6.3	10.2
SE	.1	.6	.3	2.7	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.5	4.3	9.4
SSE	.1	.5	.2	1.5	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.0	.3	2.7	9.7
S	.1	.7	.3	2.2	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.4	3.5	8.8
SSW	.1	.5	.2	1.4	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.3	2.3	8.8
SW	.1	.9	.4	3.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.5	6.8
WSW	.1	.9	.4	3.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.6	4.8	7.5
W	.1	1.0	.3	2.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.4	3.7	6.6
WNW	.1	1.0	.2	1.5	.0	.1	.0	.1	.0	.2	.0	.1	.0	.0	.0	.3	2.9	7.3
NW	.1	.9	.1	.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	2.2	6.7
NNW	.1	.6	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	1.8	7.3
CALM	1.7	14.1														1.7	14.1	
TOTAL	3.3	27.9	6.3	53.3	1.1	9.1	.6	5.3	.4	3.1	.1	1.2	.0	.1	.1	11.8	100	7.7

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 4 / DAY

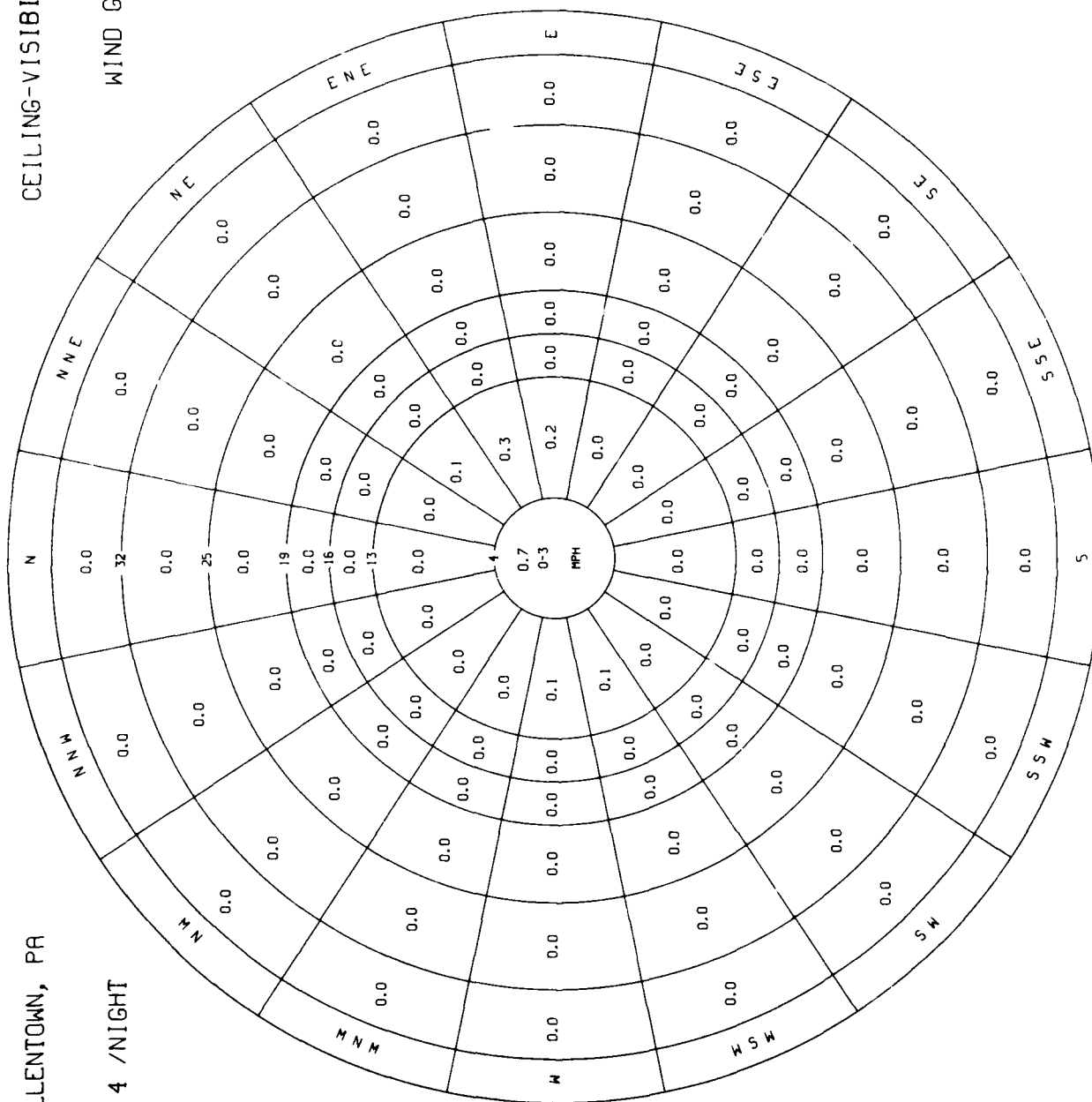
STATION NUMBER: 14737

NO. OBS.: 1231

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.6	.0	1.5	.0	.2	.0	.3	.0	.0	.0	.1	.0	.0	.1	2.9	8.0
NNE	.0	.6	.1	2.6	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	3.9	8.1
NE	.0	1.5	.2	6.3	.0	.8	.0	.4	.0	.4	.0	.2	.0	.0	.2	9.6	8.8
ENE	.0	1.8	.4	15.1	.1	2.2	.0	1.1	.0	.3	.0	.2	.0	.0	.5	20.8	9.5
E	.0	1.8	.3	10.4	.0	1.3	.0	.8	.0	.3	.0	.0	.0	.0	.4	14.6	8.5
ESE	.0	.7	.1	3.0	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.5	8.5
SE	.0	.2	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.2
SSE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.1
S	.0	.2	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.9
SSW	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.5
SW	.0	1.0	.1	2.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.4	6.6
WSW	.0	.9	.1	3.6	.0	.2	.0	.1	.0	.3	.0	.0	.0	.0	.1	5.1	7.7
W	.0	1.4	.1	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.1	5.6
WNW	.0	1.1	.0	1.7	.0	.2	.0	.0	.0	.1	.0	.2	.0	.0	.1	3.2	7.2
NW	.0	1.1	.0	1.1	.0	.2	.0	.0	.0	.3	.0	.2	.0	.0	.1	2.8	8.4
NNW	.0	.6	.0	.5	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	6.0
CALM	.5	19.9													.5	19.9	
TOTAL	.8	33.7	1.3	53.5	.1	6.1	.1	3.2	.1	2.4	.0	1.0	.0	.0	2.4	100	6.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 767

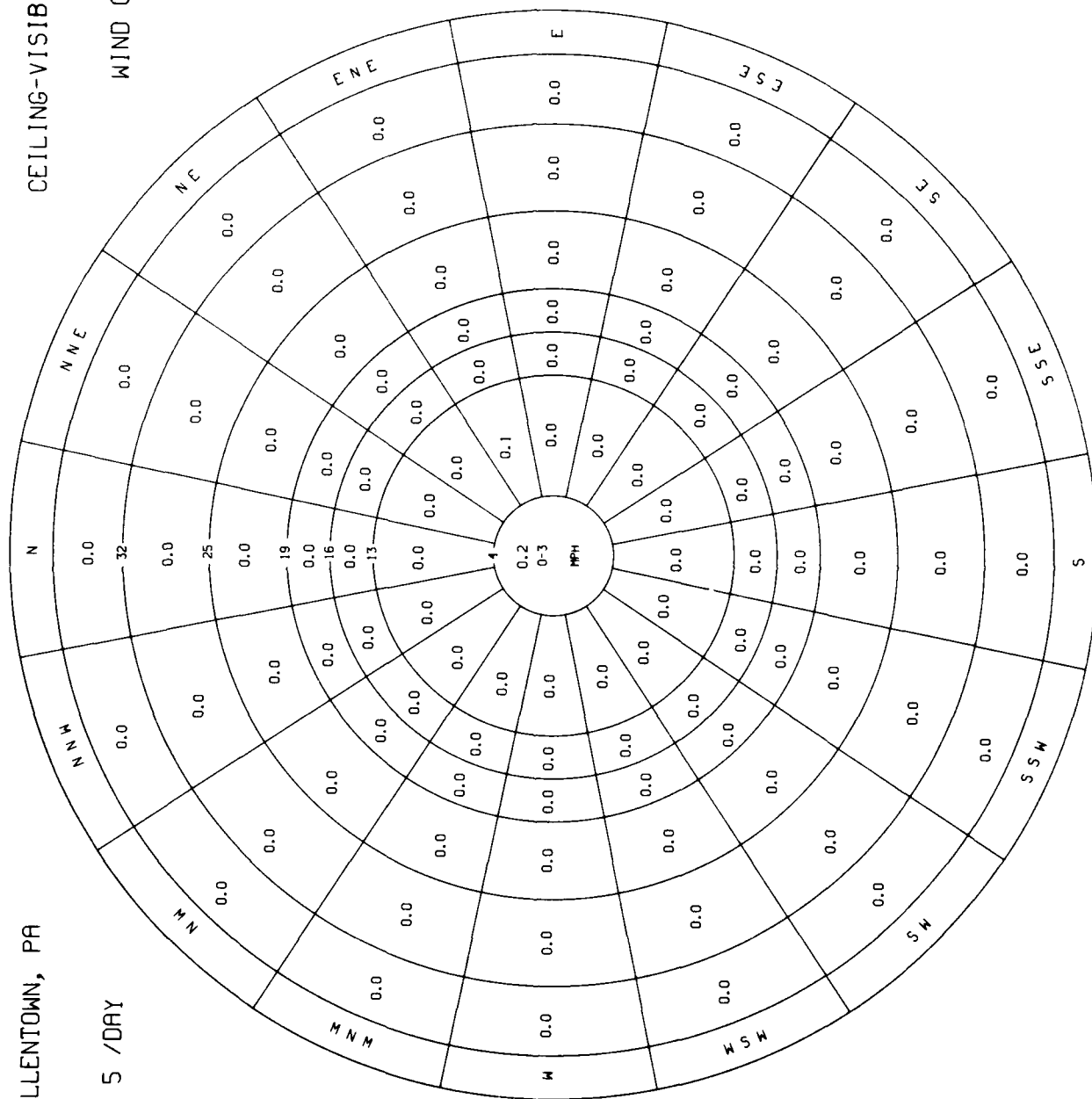
D I R	SPED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.0	1.3	.0	.1	.0	.1	.0	.3	.0	.1	.0	.0	.1 3.4
NNE	.0	.4	.0	2.1	.0	.0	.0	.1	.0	.7	.0	.1	.0	.0	.1 3.4
NE	.0	1.3	.1	7.6	.0	1.0	.0	.3	.0	.5	.0	.4	.0	.0	.2 11.1
ENE	.1	2.6	.3	14.2	.0	2.1	.0	1.0	.0	.8	.0	.3	.0	.0	.4 21.0
E	.0	2.0	.2	11.3	.0	1.7	.0	.5	.0	.0	.0	.0	.0	.0	.3 15.5
ESE	.0	.1	.0	2.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
SE	.0	.4	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SSE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
S	.0	.3	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0 .9
SSW	.0	.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SW	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.6
WSW	.0	1.0	.1	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.3
W	.0	2.2	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1 5.1
WNW	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0 1.6
NW	.0	1.2	.0	.9	.0	.0	.0	.0	.0	.1	.0	.4	.0	.0	.1 2.6
NNW	.0	.7	.0	1.0	.0	.0	.0	.1	.0	.3	.0	.3	.0	.0	.0 2.3
CALM	.4	19.3													.4 19.3
TOTAL	.7	35.5	1.0	52.2	.1	5.6	.0	2.3	.1	2.6	.0	1.7	.0	.1	1.9 100
															6.7

CEILING-VISIBILITY

WIND GRAPH

ABE ALLENTOWN, PA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 5 / DAY

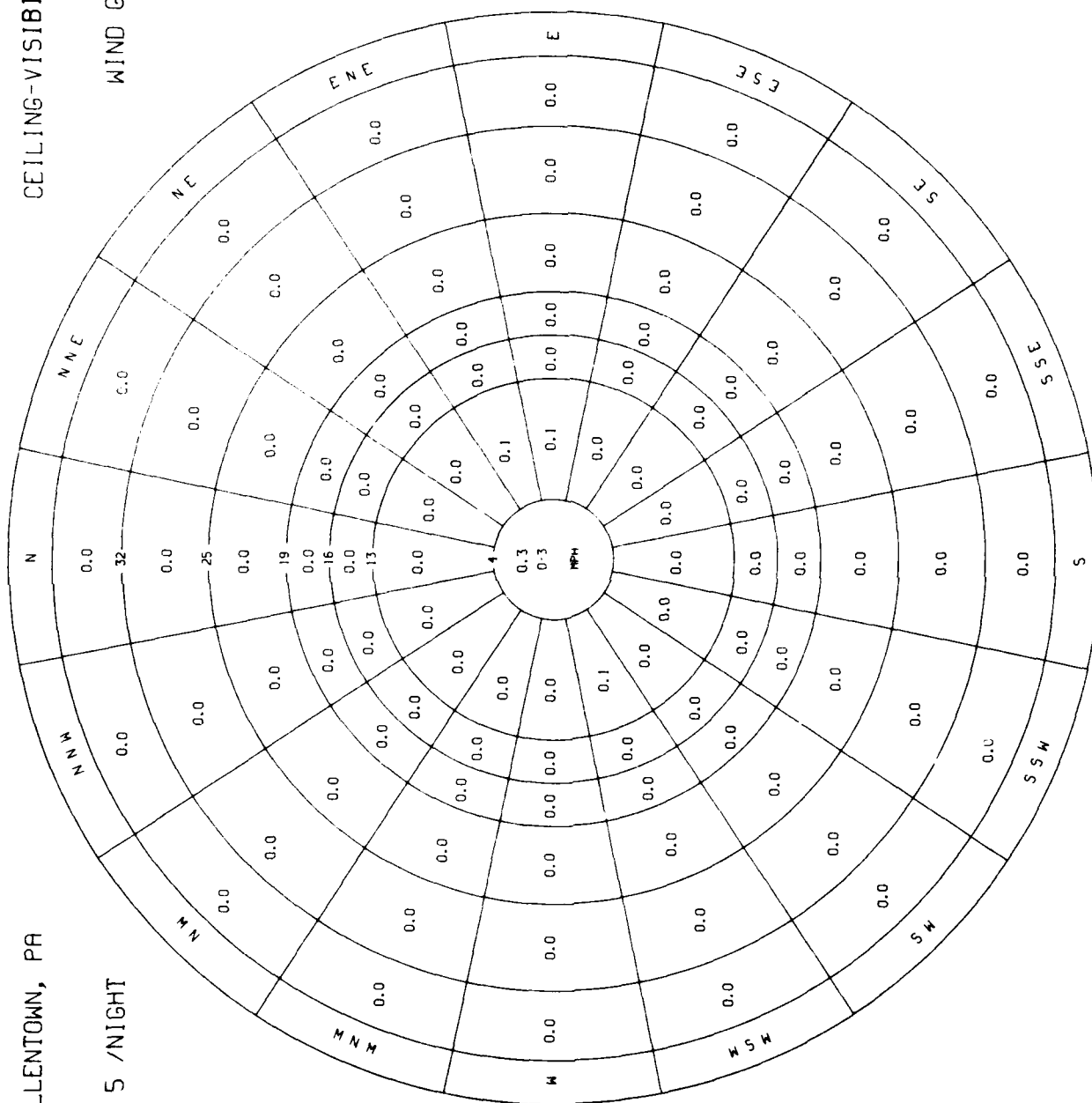
STATION NUMBER: 14737

NO. OBS.: 280

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.8	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NNE	.0	.4	.0	1.4	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0 3.2
NE	.0	.0	.0	5.7	.0	1.1	.0	.7	.0	.0	.0	.0	.0	.0	.0 7.5
ENE	.0	2.9	.1	16.1	.0	1.8	.0	1.1	.0	.4	.0	.4	.0	.0	.1 22.5
E	.0	2.1	.0	6.8	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.1 11.1
ESE	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
SE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
SSE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.7
S	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
SSW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
WSW	.0	1.1	.0	4.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
W	.0	1.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0 4.6
WNW	.0	1.1	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NW	.0	.7	.0	2.5	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.9
NNW	.0	1.1	.0	.7	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0 2.5
CALM	.1	21.4													.1 21.4
TOTAL	.2	37.5	.3	50.4	.0	6.4	.0	2.9	.0	1.8	.0	.7	.0	.4	.5 10.0

CEILING-VISIBILITY

WIND GRAPH



ABE ALLENTOWN, PA

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

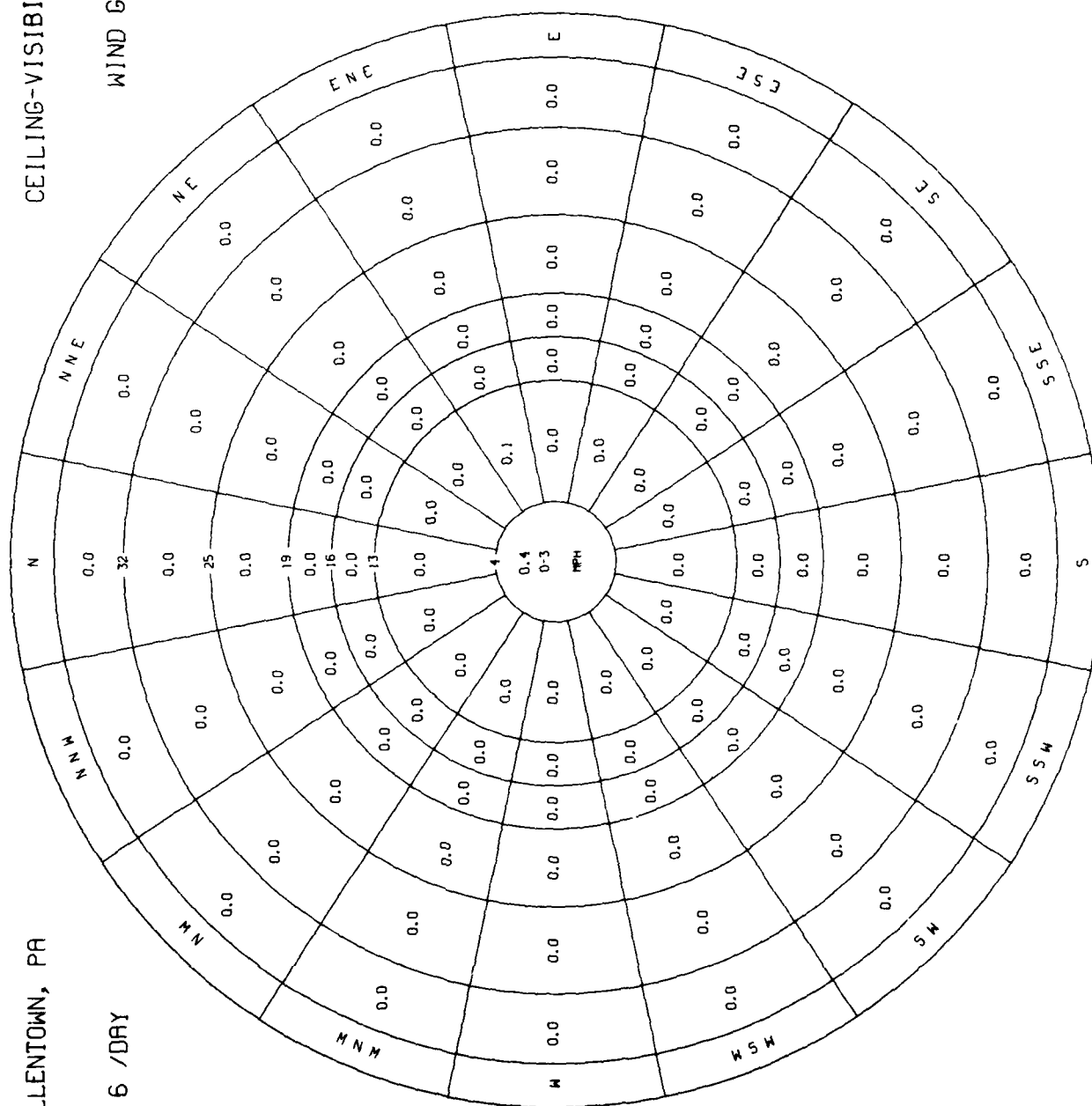
STATION NUMBER: 14737

NO. OBS.: 259

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	3.9	8.0
NNE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	2.3	8.3
NE	.0	.8	.0	4.6	.0	.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	6.6	8.3
ENE	.0	2.3	.1	12.7	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	16.6	7.8
E	.0	2.7	.1	8.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.4	6.5
ESE	.0	.4	.0	4.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	5.0	7.7
SE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.5
SSE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
S	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.7
SSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.5
SW	.0	.4	.0	3.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.2
WSW	.0	.4	.1	7.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	7.1
W	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.3
WNW	.0	1.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.2
NW	.0	.4	.0	2.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.9
NNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.0
CALM	.2	23.6														.2	23.6	
TOTAL	.3	39.4	.4	54.1	.0	3.5	.0	.8	.0	1.5	.0	.8	.0	.0	.0	.7	100	5.4

ABE ALLENTOWN, PA

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 14737

NO. OBS.: 339

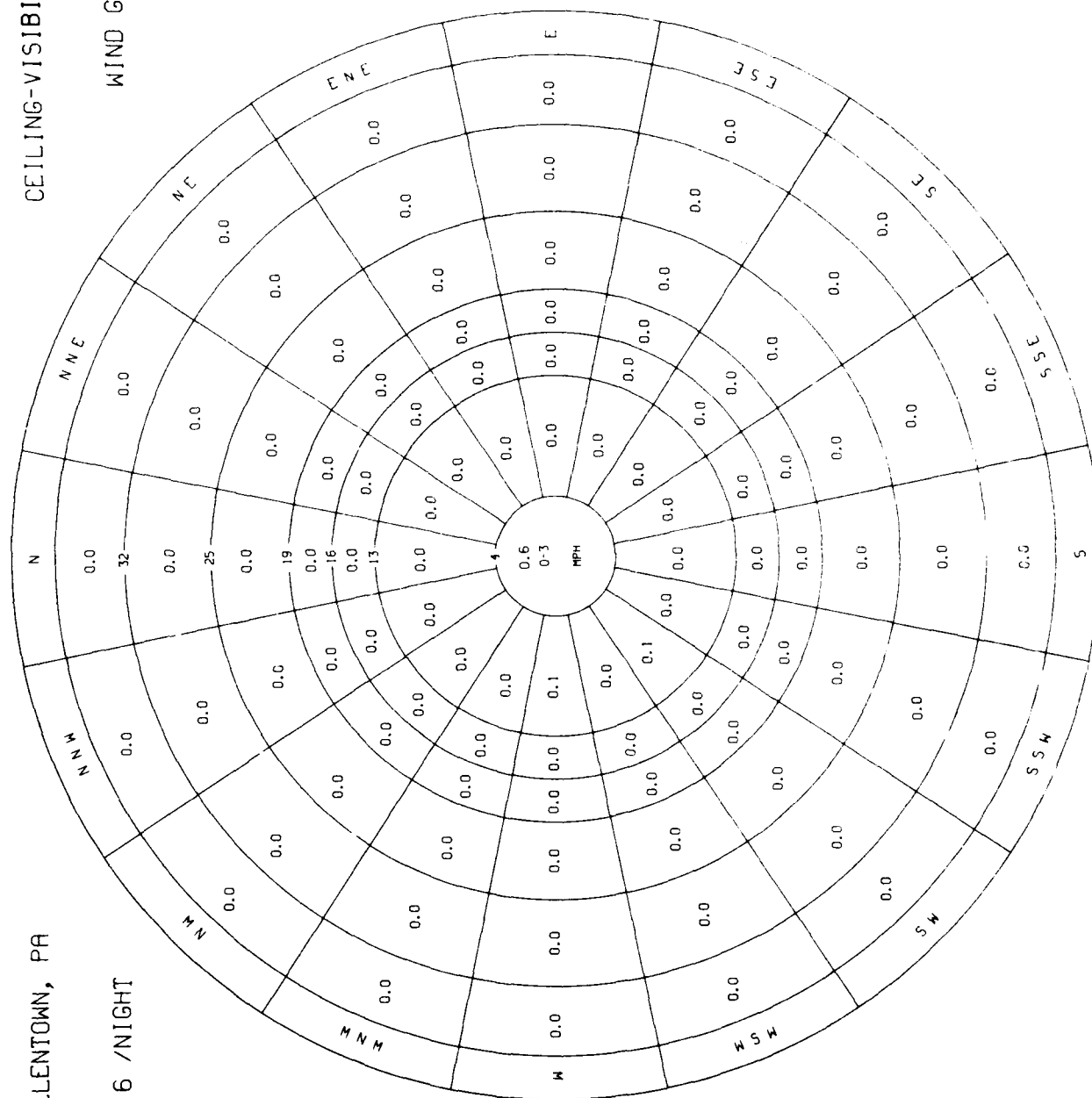
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
NNE	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
NE	.0	1.5	.0	5.9	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.1 8.0
ENE	.0	1.5	.1	7.7	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.1 10.0
E	.0	1.8	.0	5.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.1
ESE	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
SSE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
S	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSW	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SW	.0	1.5	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
WSW	.0	2.4	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.1
W	.0	.9	.0	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
WNW	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.9
NW	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
NNW	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
CALM	.3	37.8													.3 37.8
TOTAL	.4	55.8	.3	41.9	.0	.9	.0	.9	.0	.9	.0	.0	.0	.0	.7 100
															3.6

CEILING-VISIBILITY

WIND GRAPH

ABE ALLENTOWN, PA

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 383

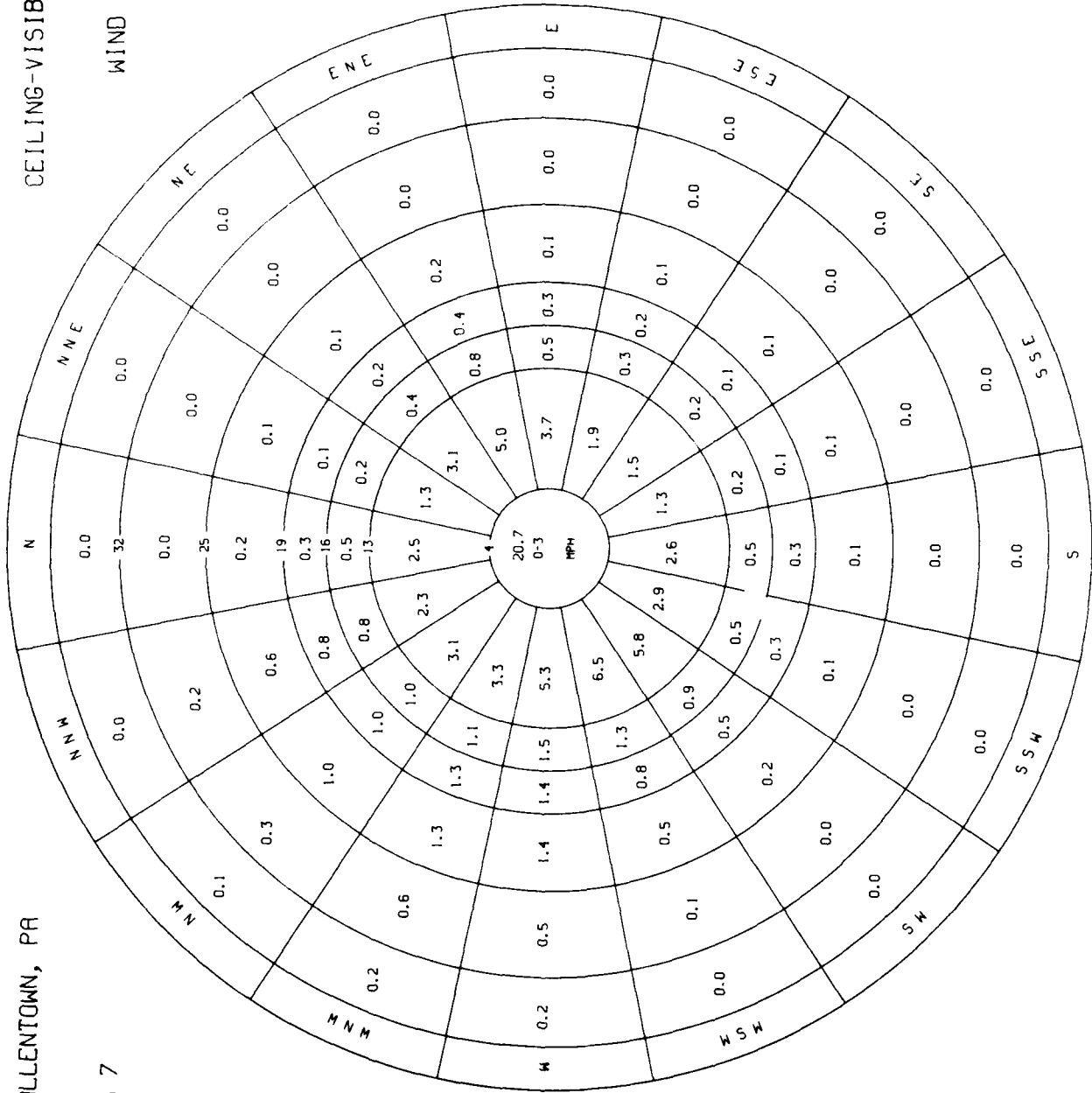
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.1
NNE	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.2
NE	.0	2.3	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	4.8
ENE	.0	3.4	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	5.7
E	.0	1.3	.0	4.7	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	6.3	6.5
ESE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.0
SE	.0	.3	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.4
SSE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.0
S	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.8
SSW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.6
SW	.0	1.3	.1	5.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	6.9
WSW	.0	1.8	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	5.2
W	.0	3.7	.1	5.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	9.7	5.4
WNW	.0	1.3	.0	3.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	5.2	6.3
NW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.8
NNW	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
CALM	.4	38.4													.4	38.4	
TOTAL	.6	58.7	.4	39.7	.0	.8	.0	.5	.0	.3	.0	.0	.0	.0	1.0	100	3.5

ABE ALLENTOWN, PA

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

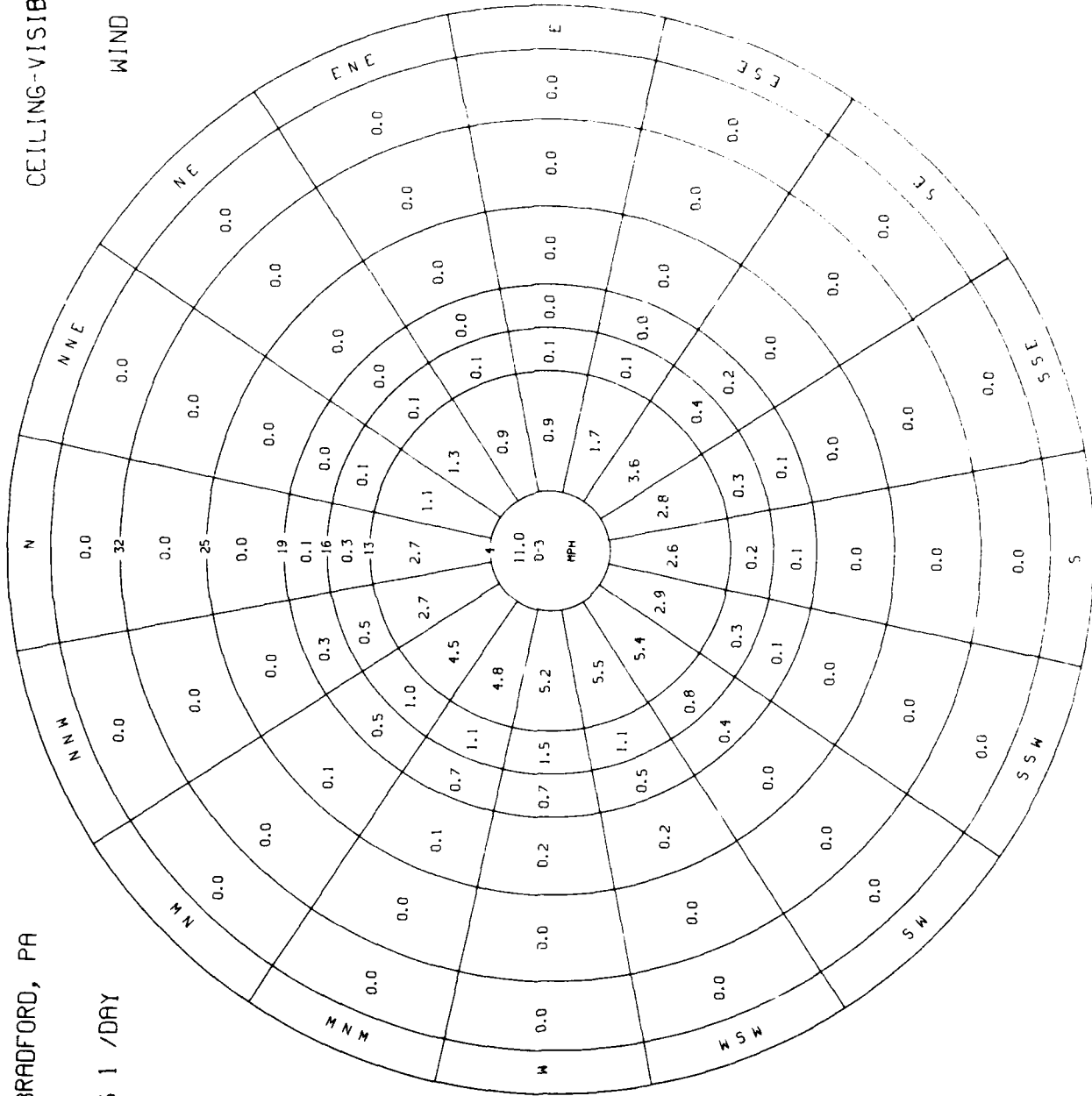


BFD BRADFORD, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 1 / DAY

STATION NUMBER: 04751

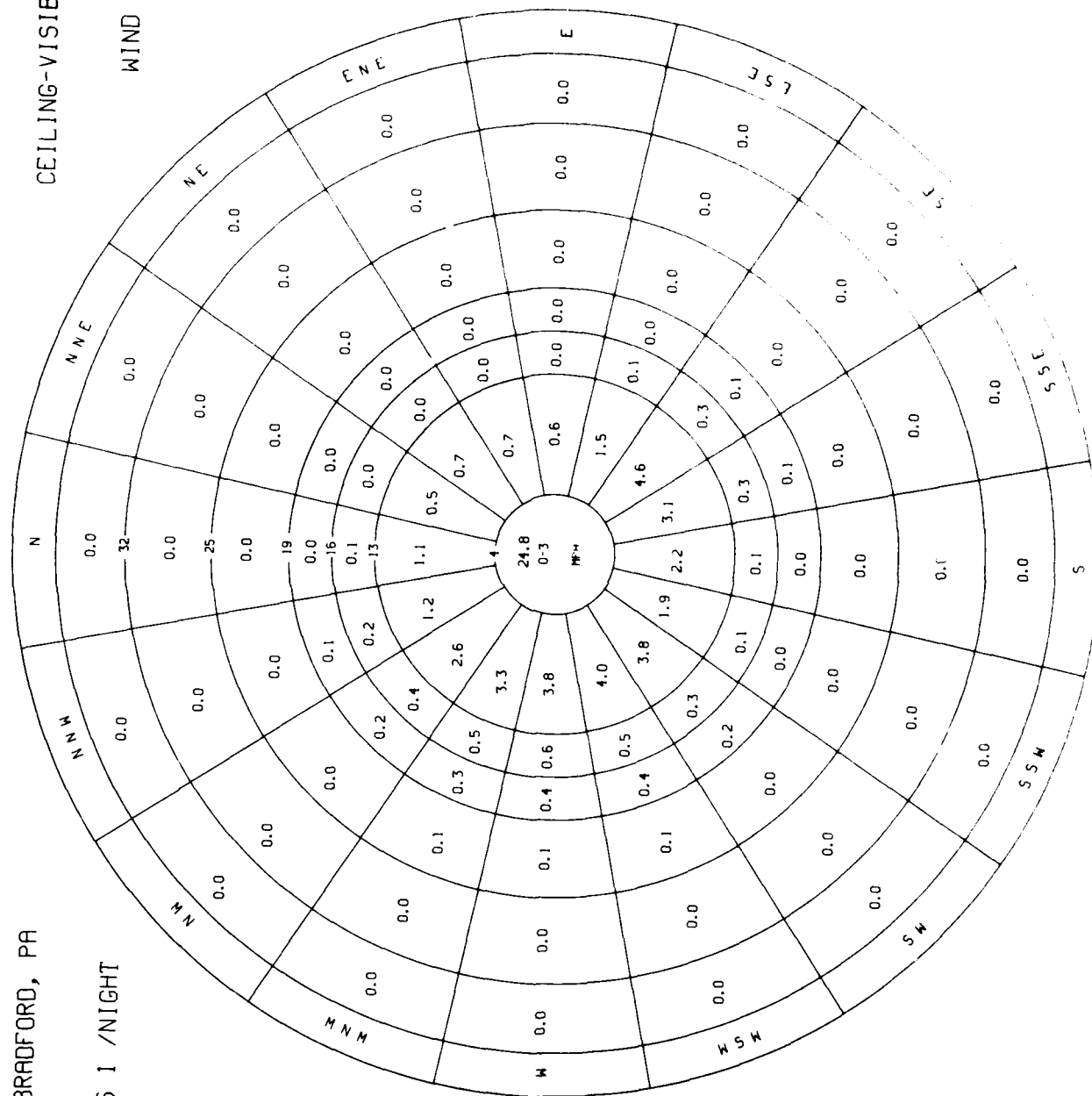
NO. OBS.: 23458

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.3	.4	2.7	3.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.4	4.7	8.5
NNE	.1	.2	1.1	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.8	8.3
NE	.2	.3	1.3	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.3	7.9
ENE	.1	.2	.9	1.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	7.4
E	.1	.2	.9	1.2	.1	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	7.6
ESE	.1	.2	1.7	2.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.7	8.5
SE	.6	.8	3.6	5.0	.4	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	4.8	6.7	9.2
SSE	.3	.4	2.8	4.0	.3	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.5	4.9	8.7
S	.3	.5	2.6	3.6	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.2	4.5	8.0
SSW	.3	.4	2.9	4.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.5	4.9	8.5
SW	.5	.6	5.4	7.5	.8	1.1	.4	.6	.0	.1	.0	.0	.0	.0	.0	7.1	9.9	9.3
WSW	.4	.5	5.5	7.6	1.1	1.5	.5	.8	.2	.2	.0	.0	.0	.0	.0	7.7	10.7	10.1
W	.3	.5	5.2	7.2	1.5	2.0	.7	1.0	.2	.2	.0	.0	.0	.0	.0	8.0	11.0	10.7
WNW	.3	.4	4.8	6.7	1.1	1.6	.2	.9	.1	.2	.0	.0	.0	.0	.0	7.1	9.9	10.5
NW	.4	.5	4.5	6.2	1.0	1.4	.5	.7	.1	.1	.0	.0	.0	.0	.0	6.5	9.0	10.1
NNW	.1	.2	2.7	3.8	.5	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	3.6	5.0	9.8
CALM	6.5	9.0														6.5	9.0	
TOTAL	11.0	15.2	48.6	67.5	8.0	11.1	3.7	5.1	.7	1.0	.1	.1	.0	.0	.0	72.0	100	8.5

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1958-1978

STATION NAME: BFD BRADFORD, PA

CLASS 1 / NIGHT

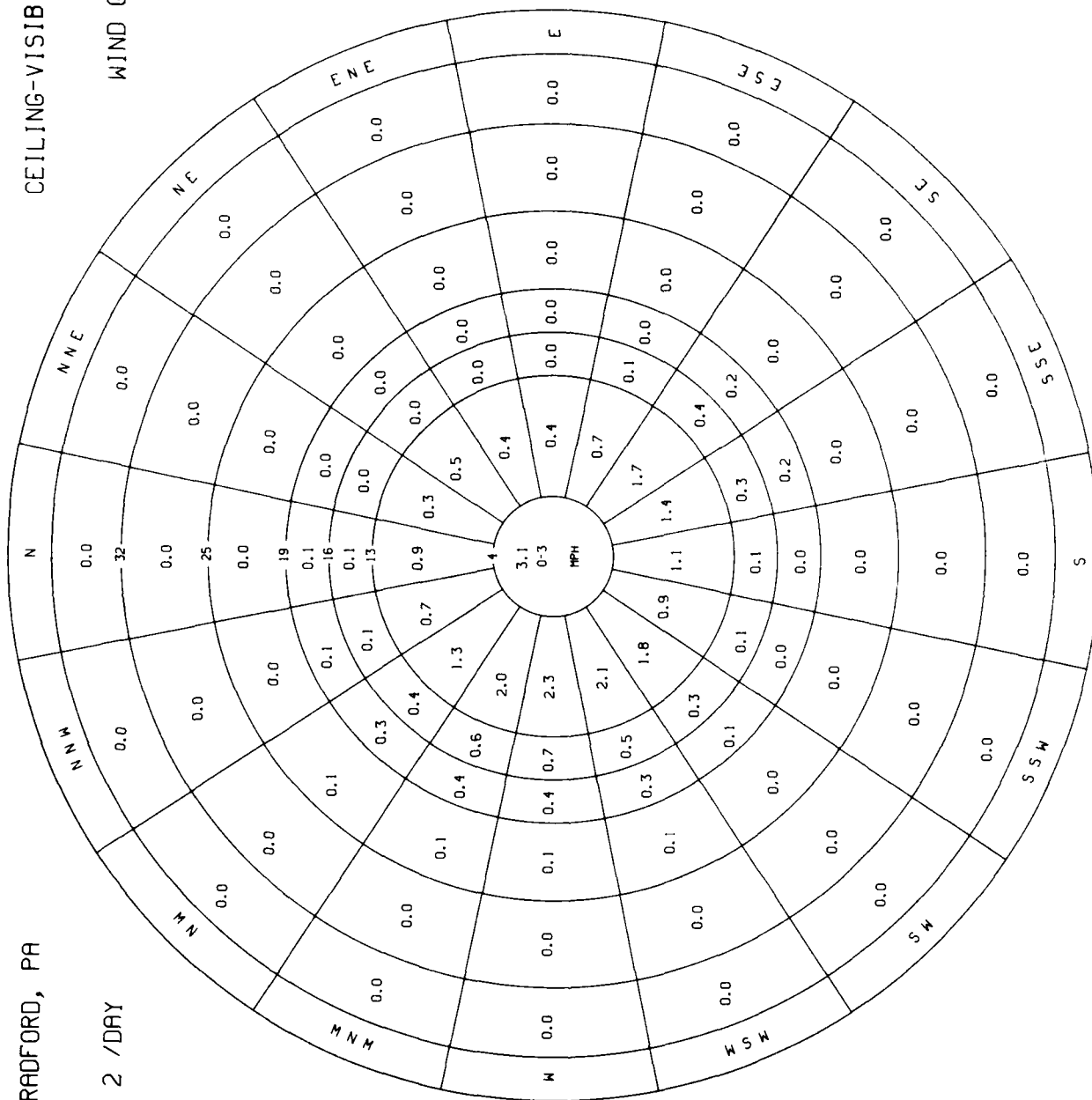
NO. OBS.: 18913

STATION NUMBER: 04751

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.3	.4	1.1	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.2	7.3
NNE	.2	.3	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	6.4
NE	.2	.3	.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.4	6.2
ENE	.1	.1	.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.2	7.0
E	.2	.3	.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.3	6.2
ESE	.3	.4	1.5	2.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.9	2.9	6.6
SE	1.1	1.6	4.6	6.9	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	6.0	9.1	6.8
SSE	.5	.7	3.1	4.7	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	3.9	6.0	7.8
S	.4	.7	2.2	3.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.1	6.8
SSW	.3	.4	1.9	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.5	7.2
SW	.8	1.2	3.8	5.8	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	5.0	7.6	7.5
WSW	.6	.9	4.0	6.1	.5	.8	.4	.6	.1	.1	.0	.0	.0	.0	.0	5.7	8.6	8.9
W	.4	.7	3.8	5.8	.6	.9	.4	.6	.1	.1	.0	.0	.0	.0	.0	5.4	8.2	9.3
WNW	.4	.6	3.3	5.0	.5	.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.5	6.8	9.0
NW	.4	.6	2.6	3.9	.4	.5	.2	.2	.0	.1	.0	.0	.0	.0	.0	3.5	5.3	8.6
NNW	.2	.3	1.2	1.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.6	2.4	8.4
CALM	18.7	28.4														18.7	28.4	
TOTAL	24.8	37.7	35.4	53.8	3.4	5.2	1.8	2.7	.3	.5	.0	.1	.0	.0	.0	65.8	100	5.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 2 / DAY

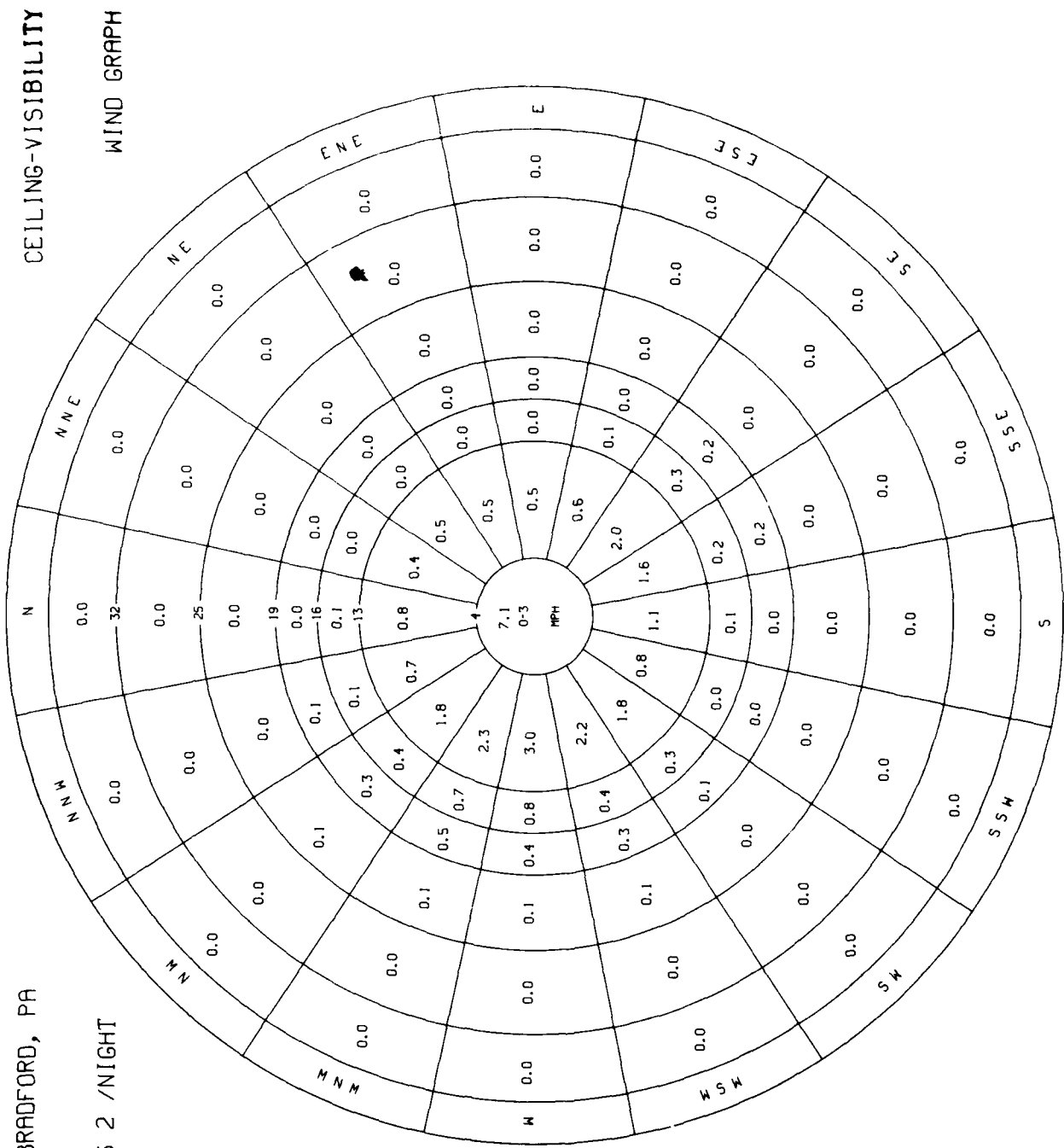
STATION NUMBER: 04751

NO. OBS.: 9124

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.2	.9	3.1	.1	.3	.1	.2	.0	.0	.0	.0	.0	.0	1.1	3.9	8.8
NNE	.0	.1	.3	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	1.4	9.1
NE	.0	.1	.5	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	2.0	8.6
ENE	.0	.1	.4	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.7	8.2
E	.1	.2	.4	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	1.7	8.3
ESE	.1	.2	.7	2.4	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.8	3.0	8.8
SE	.2	.7	1.7	6.0	.4	1.3	.2	.8	.0	.1	.0	.0	.0	.0	2.5	8.9	9.7
SSE	.1	.3	1.4	5.0	.3	1.0	.2	.5	.0	.1	.0	.0	.0	.0	1.9	6.8	10.0
S	.1	.5	1.1	3.8	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.3	4.7	8.1
SSW	.1	.3	.9	3.3	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.1	3.9	8.3
SW	.2	.6	1.8	6.5	.3	1.1	.1	.5	.0	.1	.0	.0	.0	.0	2.5	8.8	9.4
WSW	.1	.4	2.1	7.6	.5	1.7	.3	1.0	.1	.3	.0	.0	.0	.0	3.1	11.1	10.6
W	.1	.3	2.3	8.3	.7	2.5	.4	1.5	.1	.4	.0	.0	.0	.0	3.6	13.0	11.2
WNW	.1	.2	2.0	7.1	.6	2.3	.4	1.4	.1	.5	.0	.1	.0	.0	3.3	11.6	11.7
NW	.1	.3	1.3	4.8	.4	1.3	.3	1.0	.1	.2	.0	.1	.0	.0	2.1	7.6	11.2
NNW	.0	.2	.7	2.6	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	1.0	3.7	9.7
CALM	1.7	6.2													1.7	6.2	
TOTAL	3.1	10.9	18.5	65.9	3.7	13.2	2.2	7.8	.5	1.8	.1	.3	.0	.1	28.0	100	9.5

BFD BRADFORD, PA

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 2 / NIGHT

STATION NUMBER: 04751

NO. OBS.: 9850

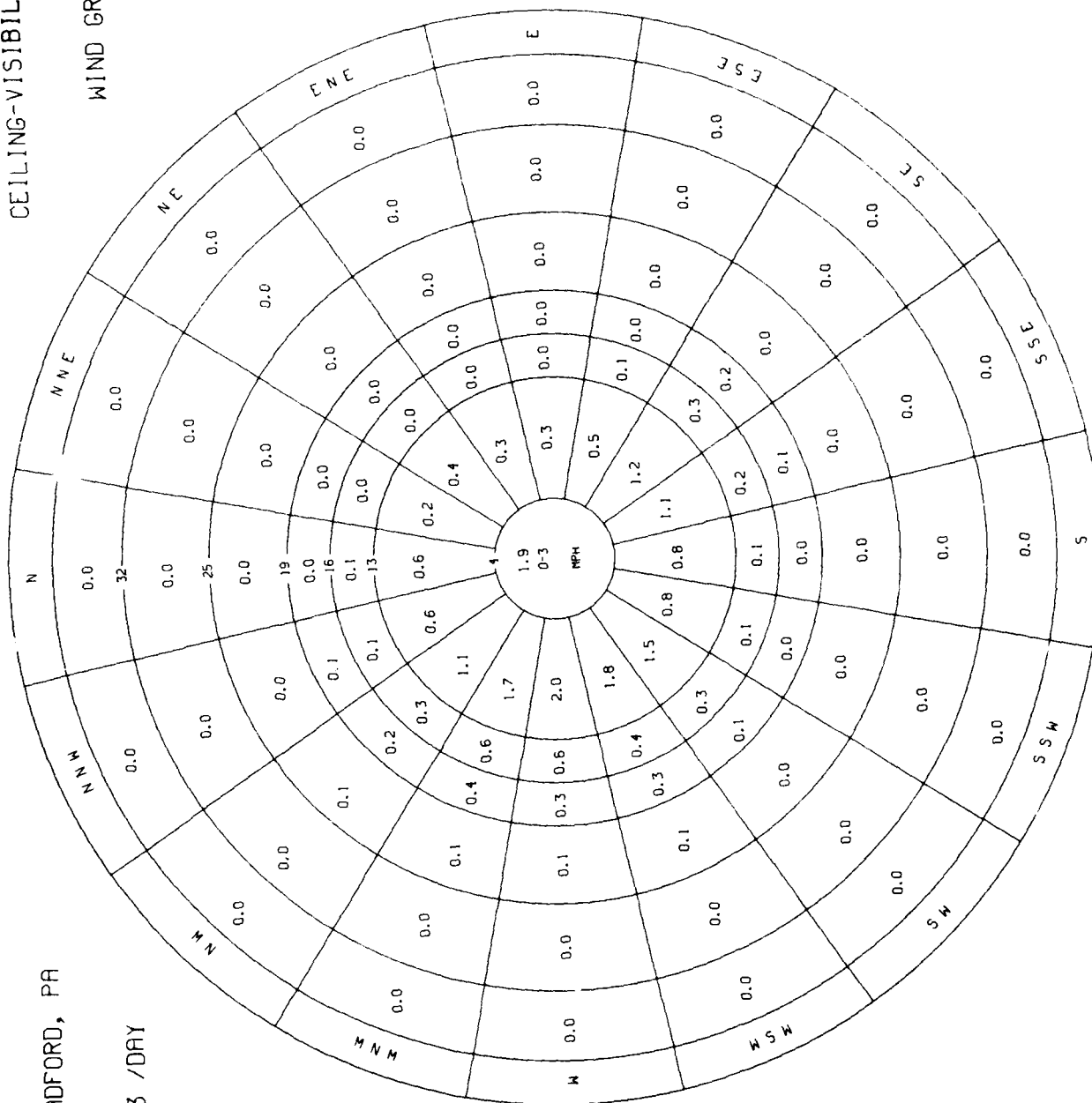
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.1	.3	.8	2.3	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.0	2.9	8.2
NNE	.0	.1	.4	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	1.5	8.8
NE	.1	.2	.5	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	1.9	8.1
ENE	.0	.1	.5	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	1.7	8.1
E	.1	.2	.5	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	1.7	7.7
ESE	.1	.3	.6	1.8	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.8	2.5	8.2
SE	.3	1.0	2.0	5.9	.3	1.0	.2	.6	.0	.1	.0	.0	.0	.0	3.0	8.6	9.0
SSE	.1	.4	1.6	4.6	.2	.7	.2	.6	.0	.1	.0	.0	.0	.0	2.2	6.4	9.6
S	.2	.5	1.1	3.2	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.4	4.0	7.8
SSW	.1	.3	.8	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.9	2.8	7.7
SW	.3	.8	1.8	5.3	.3	.7	.1	.2	.0	.1	.0	.0	.0	.0	2.5	7.2	8.7
WSW	.1	.3	2.2	6.6	.4	1.1	.3	.8	.1	.2	.0	.0	.0	.0	3.1	8.9	10.0
W	.2	.5	3.0	8.8	.8	2.2	.4	1.3	.1	.4	.0	.1	.0	.0	4.5	13.2	10.7
WNNW	.1	.4	2.3	6.8	.7	1.9	.5	1.3	.1	.4	.0	.1	.0	.0	3.8	11.0	11.2
NW	.1	.3	1.8	5.4	.4	1.2	.3	.8	.1	.2	.0	.1	.0	.0	2.7	7.9	10.6
NNW	.1	.2	.7	2.2	.1	.4	.1	.3	.0	.1	.0	.0	.0	.0	1.1	3.2	9.9
CALM	5.0	14.7													5.0	14.7	
TOTAL	7.1	20.7	20.7	60.5	3.6	10.6	2.2	6.4	.5	1.5	.1	.3	.0	.0	34.2	100	8.2

CEILING-VISIBILITY

WIND GRAPH

BFD BRADFORD, PA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 3 / DAY

STATION NUMBER: 04751

NO. OBS.: 7330

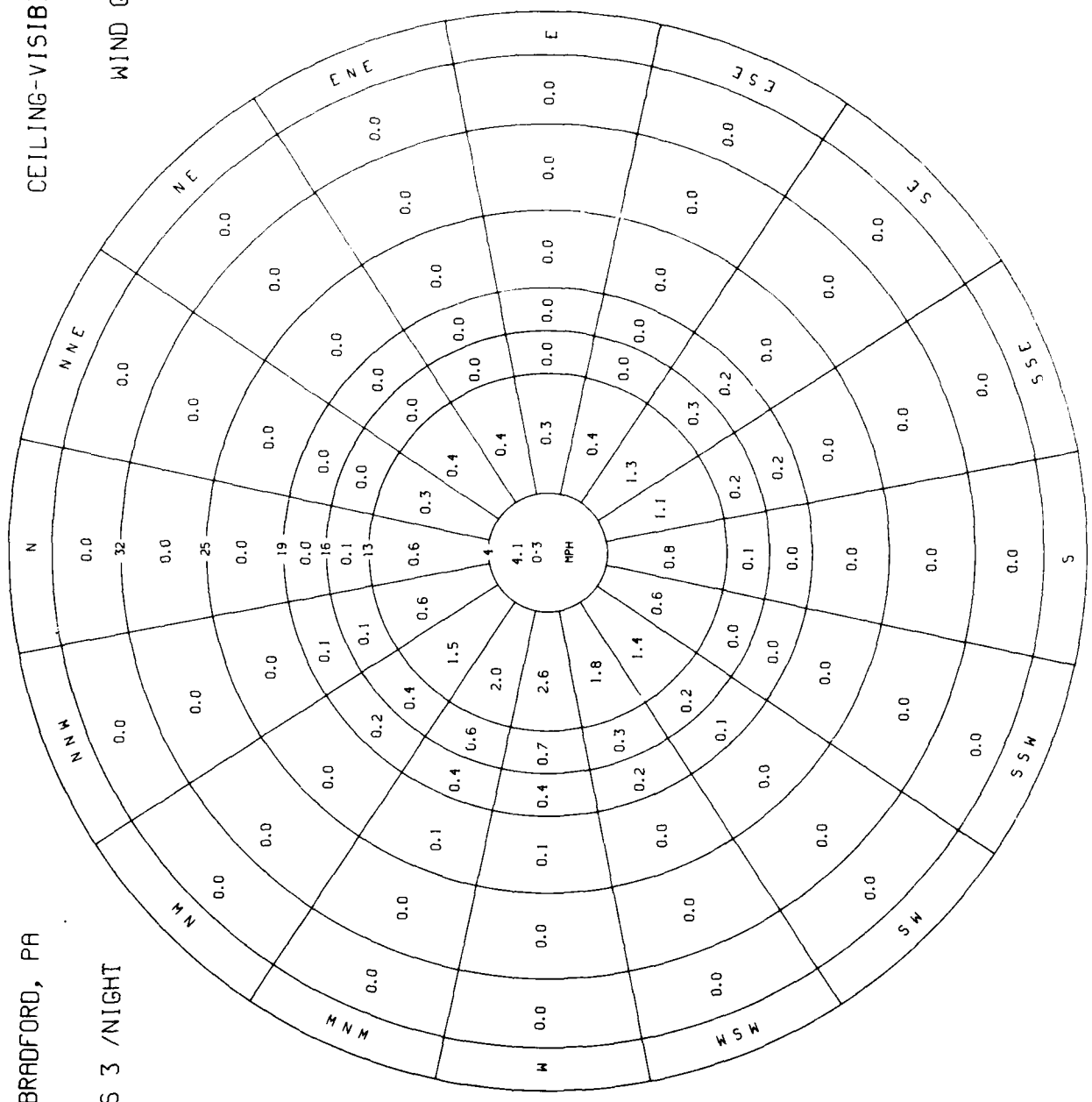
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	.2	.6	2.8	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	3.5	9.0
NNE	.0	.1	.2	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	1.4	9.1
NE	.0	.1	.4	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	2.0	8.6
ENE	.0	.1	.3	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.5	8.3
E	.0	.2	.3	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	1.6	8.2
ESE	.0	.2	.5	2.2	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	2.8	9.0
SE	.1	.6	1.2	5.5	.3	1.4	.2	.8	.0	.1	.0	.0	.0	.0	.0	1.9	8.5	10.1
SSE	.1	.2	1.1	4.8	.2	1.0	.1	.7	.0	.1	.0	.0	.0	.0	.0	1.5	6.8	10.3
S	.1	.5	.8	3.6	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.6	8.3
SSW	.0	.2	.8	3.4	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	4.0	8.5
SW	.1	.5	1.5	6.8	.3	1.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	2.0	9.0	9.6
WSW	.1	.4	1.8	8.0	.4	1.8	.3	1.1	.1	.3	.0	.1	.0	.0	.0	2.6	11.7	10.8
W	.1	.3	2.0	8.8	.6	2.7	.3	1.6	.1	.4	.0	.1	.0	.0	.0	3.1	13.8	11.2
WNW	.1	.2	1.7	7.8	.6	2.5	.4	1.6	.1	.4	.0	.0	.0	.0	.0	2.8	12.5	11.5
NW	.1	.2	1.1	5.1	.3	1.4	.2	1.0	.1	.2	.0	.1	.0	.0	.0	1.8	8.1	11.3
NNW	.0	.2	.6	2.7	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.0	.9	3.8	9.8
CALM	1.0	4.3														1.0	4.3	
TOTAL	1.9	8.6	10.0	66.8	3.2	14.3	1.9	8.4	.4	1.7	.1	.2	.0	.0	.0	22.5	100	9.8

BFD BRADFORD, PA

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 3 / NIGHT

STATION NUMBER: 04751

NO. OBS.: 7325

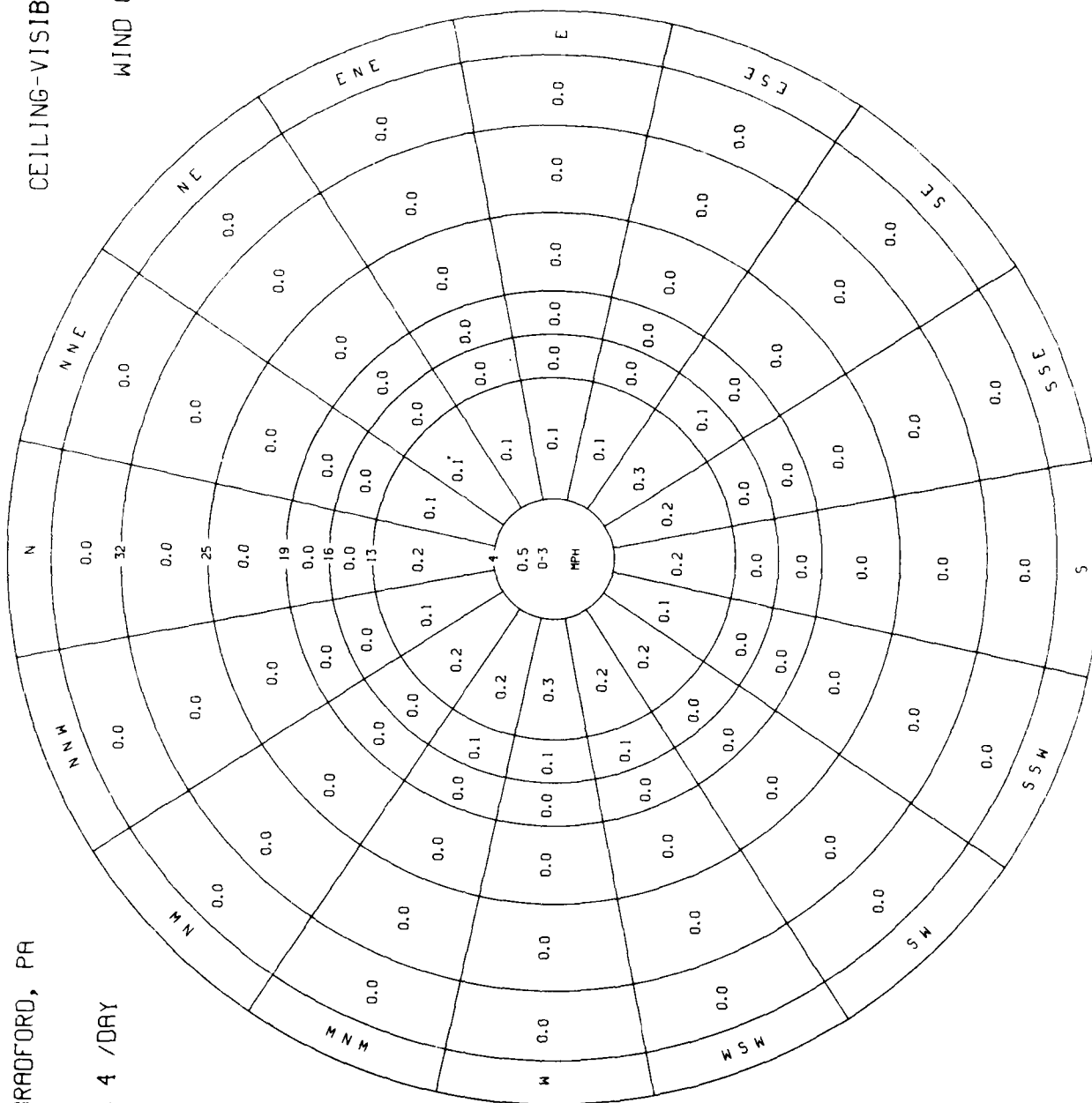
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.3	.6	2.2	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 2.8
NNE	.0	.1	.3	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.5
NE	.0	.2	.4	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.7
ENE	.0	.1	.4	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.7
E	.0	.2	.3	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.5
ESE	.1	.2	.4	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.1
SE	.2	.7	1.3	5.2	.3	1.0	.2	.6	.0	.1	.0	.0	.0	.0	2.0 7.7
SSE	.1	.4	1.1	4.2	.2	.7	.2	.7	.0	.1	.0	.0	.0	.0	1.6 6.1
S	.1	.5	.8	3.1	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.0 4.0
SSW	.1	.3	.6	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 2.9
SW	.2	.8	1.4	5.6	.2	.9	.1	.3	.0	.1	.0	.0	.0	.0	2.0 7.8
WSW	.1	.2	1.8	7.1	.3	1.3	.2	.9	.0	.2	.0	.0	.0	.0	2.5 9.7
W	.1	.5	2.6	10.1	.7	2.8	.4	1.4	.1	.3	.0	.0	.0	.0	3.8 15.1
WNW	.1	.4	2.0	7.9	.6	2.2	.4	1.6	.1	.5	.0	.0	.0	.0	3.2 12.6
NW	.1	.3	1.5	6.0	.4	1.5	.2	.9	.0	.2	.0	.0	.0	.0	2.2 8.8
NNW	.1	.2	.6	2.3	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.9 3.4
CALM	2.7	10.5													2.7 10.5
TOTAL	4.1	15.9	16.0	62.8	3.1	12.3	1.9	7.3	.4	1.5	.0	.2	.0	.0	25.5 100
															8.8

BFD BRADFORD, PA

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1958-1978

STATION NAME: BFD BRADFORD, PA

CLASS 4 / DAY

NO. OBS.: 1248

STATION NUMBER: 04751

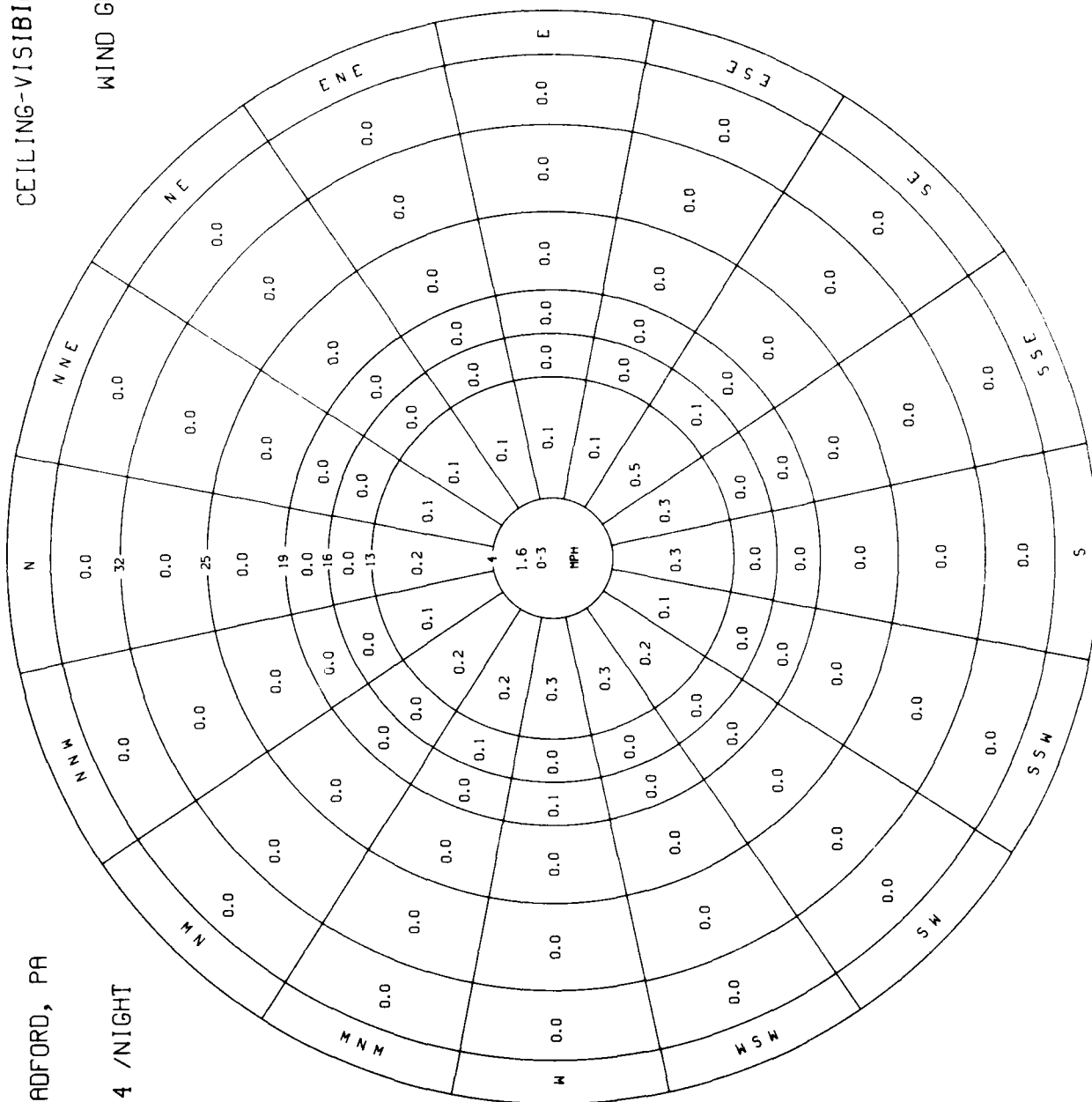
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.4	.2	5.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	6.3	8.4
NNE	.0	.0	.1	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.8	9.6
NE	.0	.2	.1	2.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.4	8.8
ENE	.0	.2	.1	2.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.0	8.2
E	.0	.2	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	8.8
ESE	.0	.2	.1	3.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.5	8.3
SE	.0	1.0	.3	7.6	.1	1.4	.0	.6	.0	.0	.0	.0	.0	.0	.4	10.7	9.0
SSE	.0	.1	.2	6.2	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	7.4	9.4
S	.0	.2	.2	5.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.3	7.7
SSW	.0	.3	.1	2.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	.1	3.1	7.8
SW	.0	1.1	.2	6.0	.0	.9	.0	.4	.0	.1	.0	.0	.0	.0	.3	8.5	8.5
WSW	.0	.2	.2	5.9	.1	1.5	.0	.8	.0	.2	.0	.0	.0	.0	.3	8.7	10.4
W	.0	.2	.3	7.1	.1	1.7	.0	1.2	.0	.6	.0	.0	.0	.0	.4	10.7	11.4
WNW	.0	.0	.2	4.5	.1	2.0	.0	1.0	.0	.8	.0	.2	.0	.2	.3	8.7	13.3
NW	.0	.3	.2	4.0	.0	.6	.0	1.0	.0	.2	.0	.2	.0	.1	.2	6.4	10.8
NNW	.0	.2	.1	2.2	.0	.1	.0	.4	.0	.2	.0	.0	.0	.0	.1	3.0	9.8
CALM	.3	8.4													.3	8.4	
TOTAL	.5	13.1	2.6	67.2	.4	10.6	.2	6.3	.1	2.1	.0	.4	.0	.3	3.8	100	8.9

CEILING-VISIBILITY

WIND GRAPH

BFO BRADFORD, PA

CLASS 4 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 4 / NIGHT

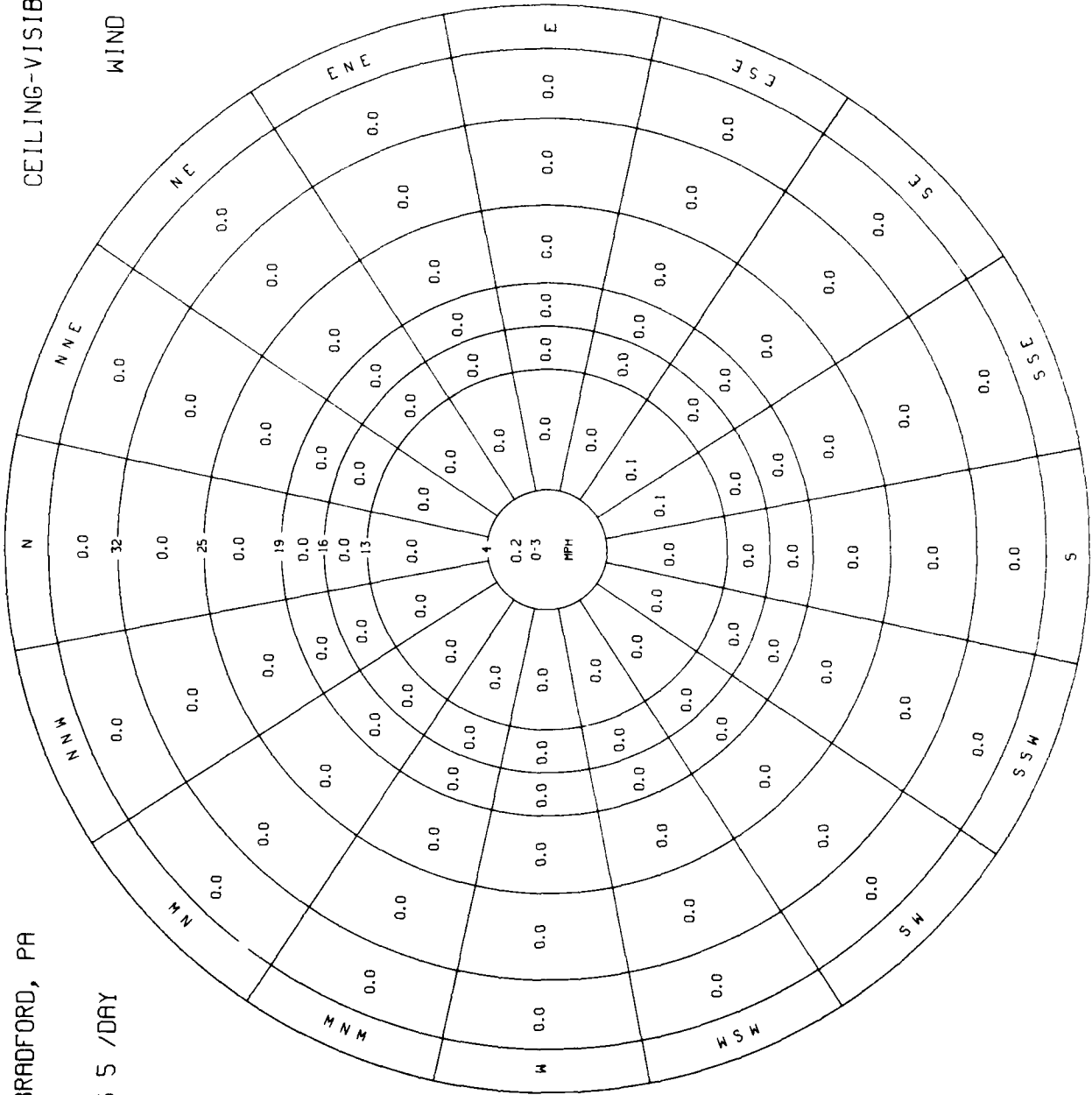
STATION NUMBER: 04751

N.O. OBS.: 1651

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.2	3.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.5	9.0
NNE	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	9.7
NE	.0	.2	.1	1.8	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.5	8.9
ENE	.0	.2	.1	1.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.9	8.2
E	.0	.2	.1	1.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.2	7.1
ESE	.0	.3	.1	2.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	8.1
SE	.1	1.2	.5	8.1	.1	1.0	.0	.7	.0	.1	.0	.0	.0	.0	.6	11.0	8.9
SSE	.0	.5	.3	6.0	.0	.8	.0	.3	.0	.1	.0	.0	.0	.0	.4	7.6	8.6
S	.0	.5	.3	4.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	5.2	7.3
SSW	.0	.1	.1	2.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	2.6	8.6
SW	.0	.4	.2	4.2	.0	.3	.0	.1	.0	.2	.0	.0	.0	.0	.3	5.2	8.4
WSW	.0	.7	.3	5.5	.0	.5	.0	.5	.0	.1	.0	.0	.0	.0	.4	7.3	8.9
W	.0	.5	.3	5.6	.0	.7	.1	1.1	.0	.7	.0	.2	.0	.0	.5	8.8	11.4
WNW	.0	.4	.2	3.9	.1	1.5	.0	.8	.0	.5	.0	.2	.0	.0	.4	7.4	11.9
NW	.0	.4	.2	3.5	.0	.7	.0	.5	.0	.3	.0	.2	.0	.0	.3	5.7	11.2
NNW	.0	.1	.1	1.6	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.4	9.7
CALM	1.3	22.0													1.3	22.0	
TOTAL	1.6	28.0	3.3	57.2	.4	7.0	.3	4.9	.1	2.1	.0	.7	.0	.1	5.7	100	7.3

CEILING-VISIBILITY
WIND GRAPH

BFD BRADFORD, PA
CLASS 5 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFO BRADFORD, PA

PERIOD: 1958-1978

STATION NUMBER: 04751

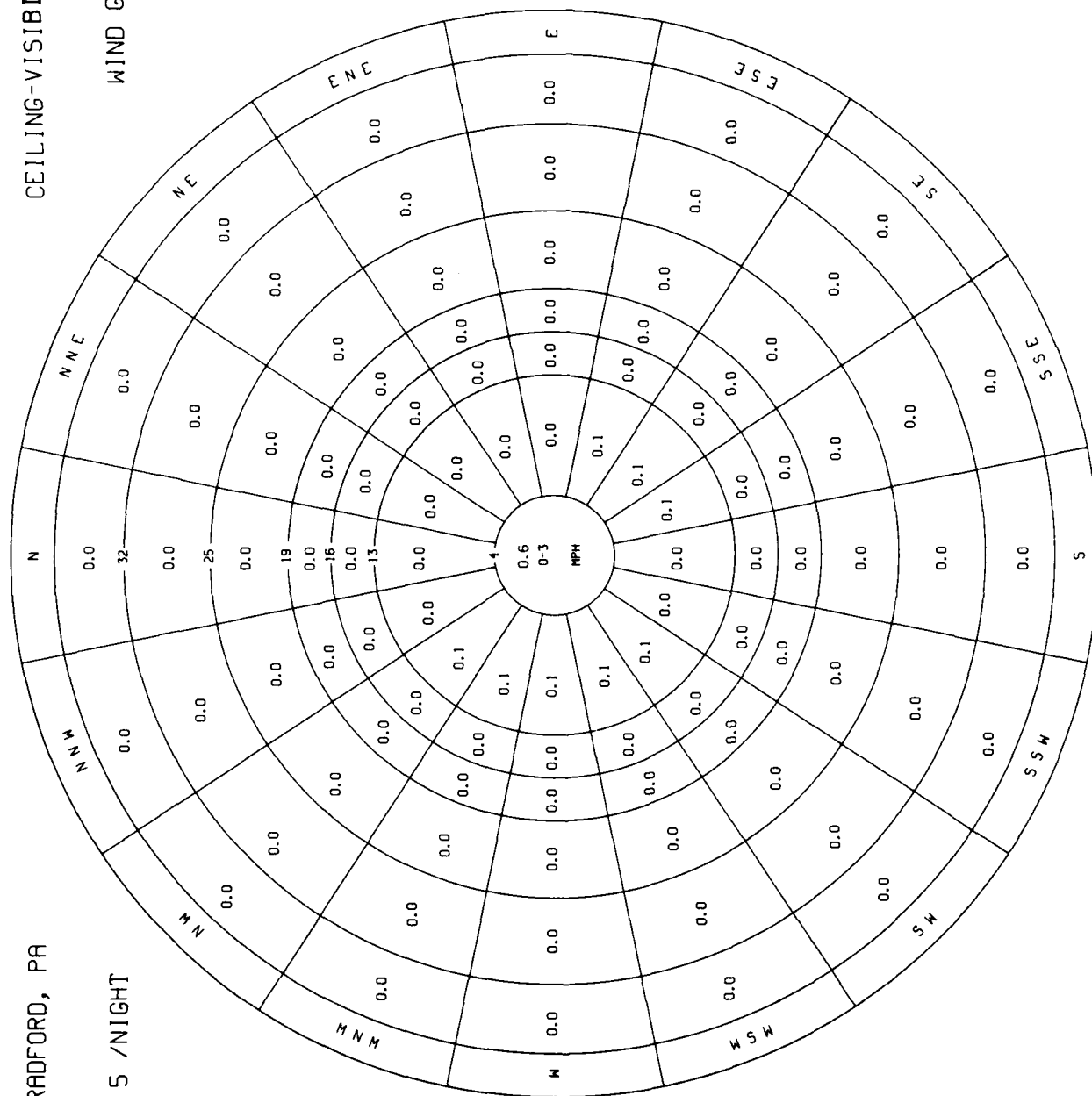
NO. OBS.: 278

CLASS 5 / DAY

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	2.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	3.6
NNE	.0	.0	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	1.1
NE	.0	.0	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	1.8
ENE	.0	.0	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.5
E	.0	.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
ESE	.0	.4	.0	3.6	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	4.7
SE	.0	1.1	.1	9.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.1	11.2
SSE	.0	.7	.1	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8
S	.0	1.4	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8
SSW	.0	.7	.0	4.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	5.8
SW	.0	1.1	.0	3.6	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	5.4
WSW	.0	.7	.0	4.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.1	6.8
W	.0	.0	.0	2.9	.0	2.9	.0	1.8	.0	.7	.0	.0	.0	.1	8.3
WNW	.0	.0	.0	4.7	.0	.7	.0	.7	.0	1.1	.0	.0	.0	.1	7.2
NW	.0	.0	.0	3.2	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	4.0
NNW	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
CALM	.2	17.6													17.6
TOTAL	.2	24.5	5	60.1	.1	7.2	.0	4.7	.0	3.6	.0	.0	.0	.9	100
															7.4

CEILING-VISIBILITY

WIND GRAPH



BFD BRADFORD, PA

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 5 / NIGHT

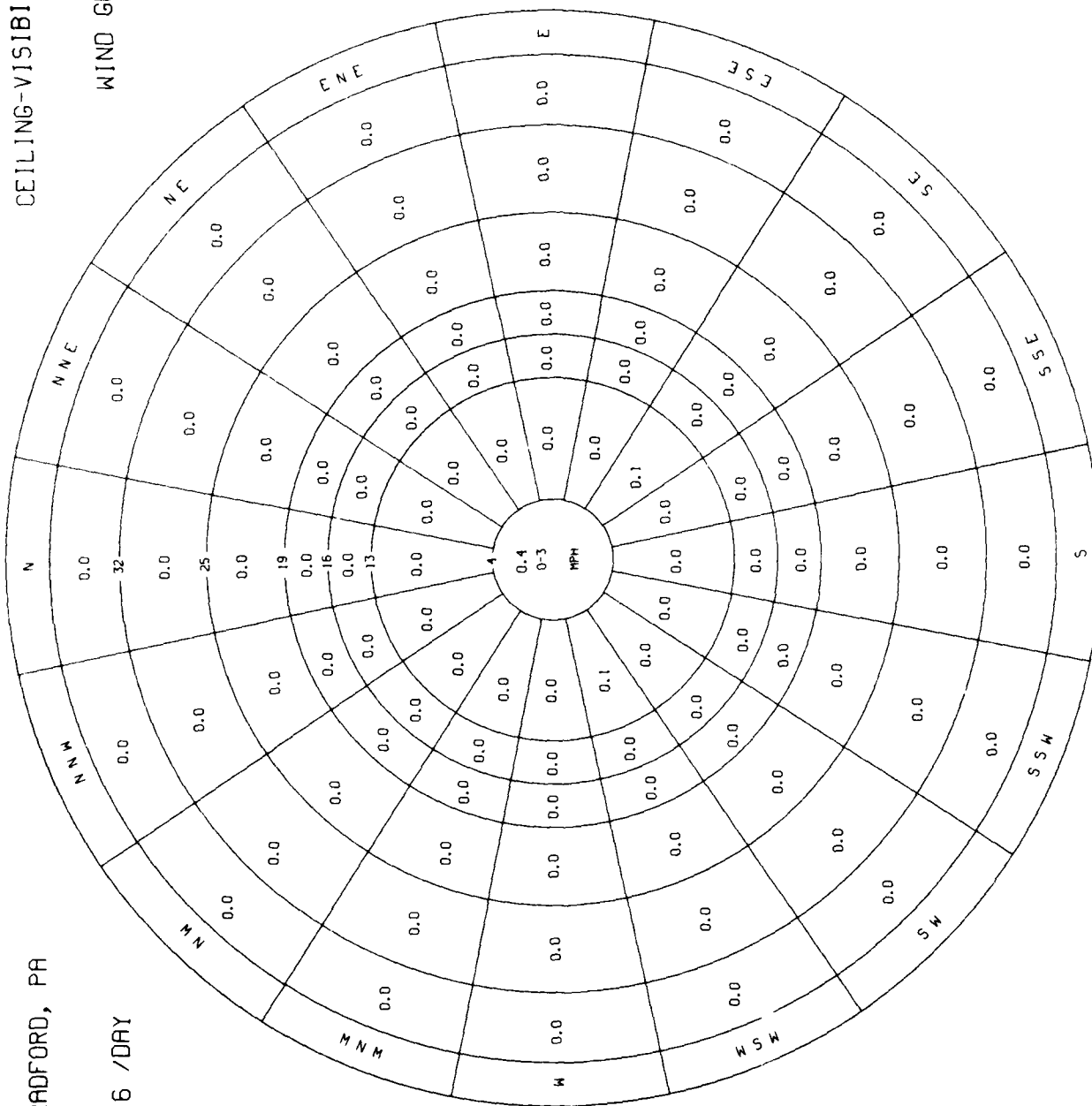
STATION NUMBER: 04751

NO. OBS.: 472

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
NNE	.0	.2	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
NE	.0	.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
E	.0	.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
ESE	.0	.8	.1	3.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.4
SE	.0	2.8	.1	8.3	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.2 12.5
SSE	.0	.8	.1	6.4	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.1 8.5
S	.0	.2	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0 2.3
SSW	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
SW	.0	.8	.1	5.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 6.4
WSW	.0	.4	.1	4.0	.0	.6	.0	.2	.0	.0	.0	.2	.0	.0	.1 5.5
W	.0	.6	.1	5.3	.0	.8	.0	.4	.0	.0	.0	.4	.0	.0	.1 7.6
WNW	.0	.6	.1	3.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.4
NW	.0	1.1	.1	3.6	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 5.3
NNW	.0	.2	.0	3.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 3.4
CALM	.5	28.0													.5 28.0
TOTAL	.6	38.3	.9	53.2	.1	4.7	.1	3.2	.0	.4	.0	.2	.0	.0	1.6 100

CEILING-VISIBILITY

WIND GRAPH



BFD BRADFORD, PA

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 6 / DAY

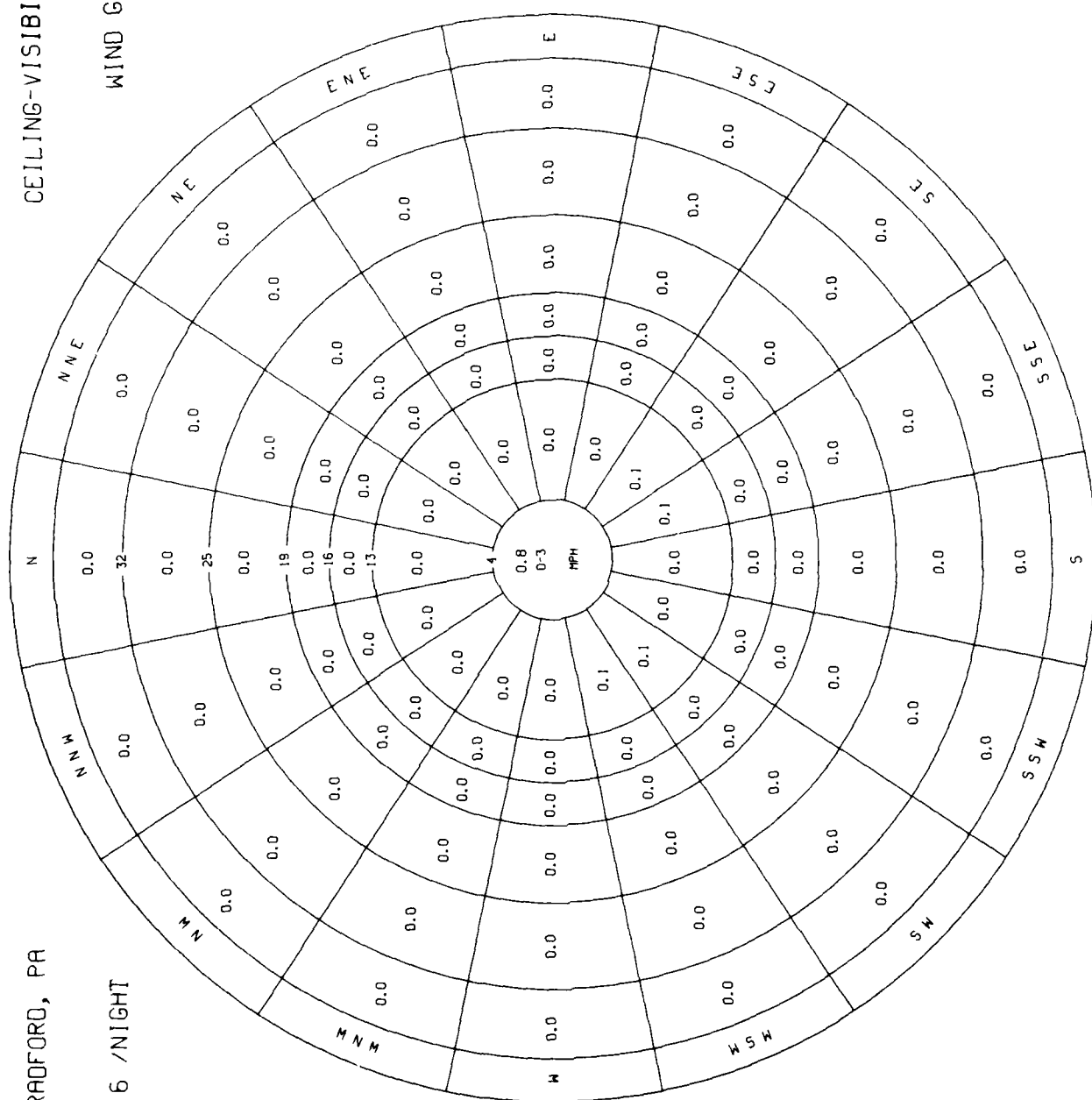
STATION NUMBER: 04751

NO. OBS.: 268

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
NNE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
NE	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
ENE	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
E	.0	.4	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 1.5
ESE	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
SE	.0	3.0	.1	6.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.1
SSE	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSW	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
SW	.0	.7	.0	4.9	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.1 6.3
WSW	.0	1.5	.1	6.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.3
W	.0	1.9	.0	4.1	.0	.0	.0	.7	.0	.4	.0	.0	.0	.0	.1 7.1
WNW	.0	.4	.0	2.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.0 4.1
NW	.0	.7	.0	1.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 3.4
NNW	.0	.4	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.3	36.6													.3 36.6
TOTAL	.4	51.5	.3	42.5	.0	2.6	.0	1.9	.0	.7	.0	.4	.0	.4	.8 10.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 6 / NIGHT

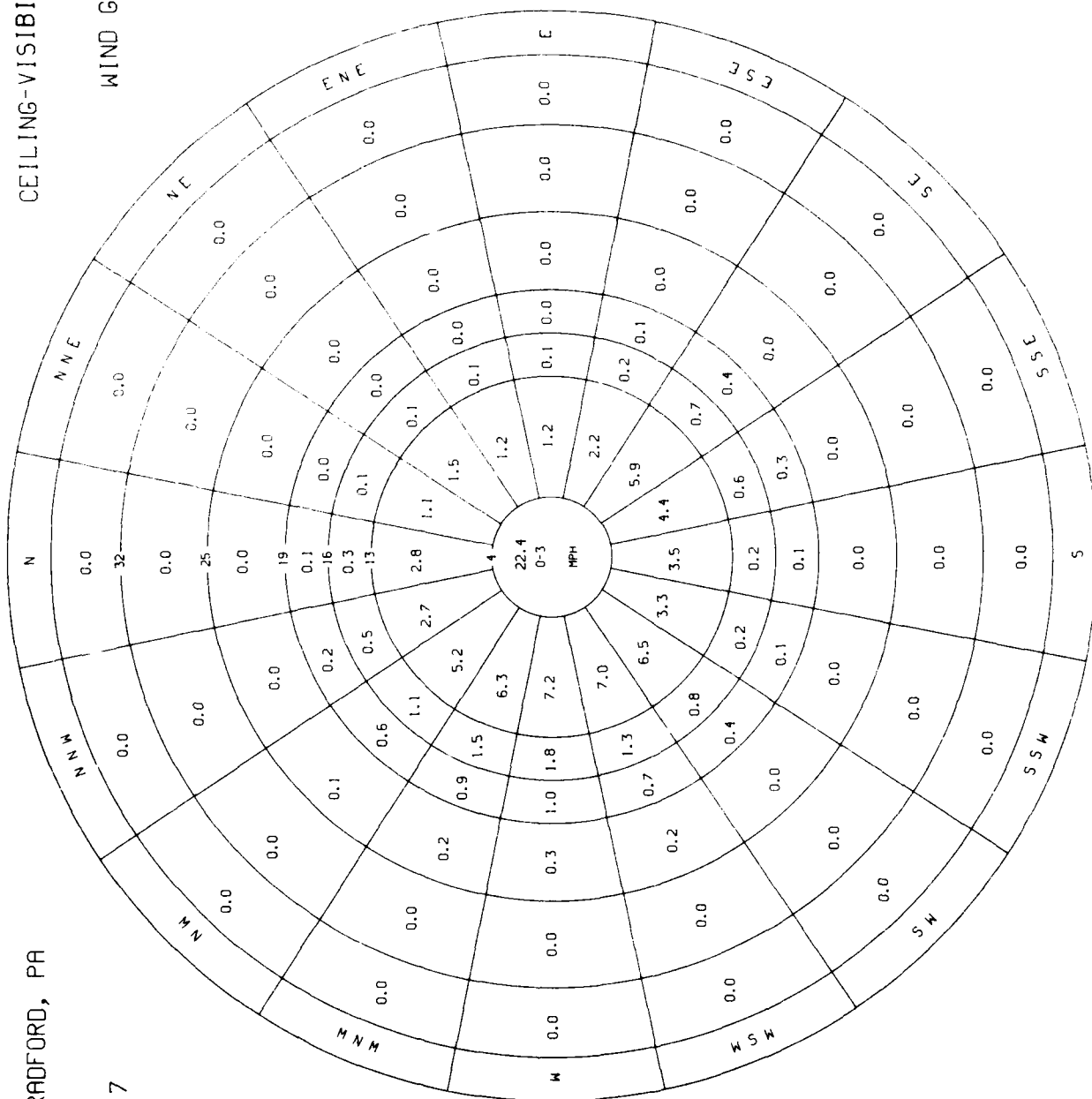
STATION NUMBER: 04751

NO. OBS.: 402

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.3
NNE	.0	.2	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.8
NE	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.7
ENE	.0	.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.5
E	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.6
ESE	.0	.5	.0	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	4.2	7.3
SE	.0	3.2	.1	7.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.2	6.1
SSE	.0	.2	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	6.8
S	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.2
SSW	.0	.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.8
SW	.0	2.0	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.2	5.9
WSW	.0	.7	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	4.7	7.2
W	.0	.5	.0	2.7	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	3.5	7.6
WNW	.0	.2	.0	2.2	.0	.0	.0	.2	.0	.5	.0	.2	.0	.0	.0	.0	3.5	11.4
NW	.0	.2	.0	3.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	4.0	8.3
NNW	.0	.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
CALM	.6	44.3														.6	44.3	
TOTAL	.8	56.0	.6	41.0	.0	.7	.0	1.0	.0	.7	.0	.5	.0	.0	.0	1.4	100	3.8

CEILING-VISIBILITY

WIND GRAPH

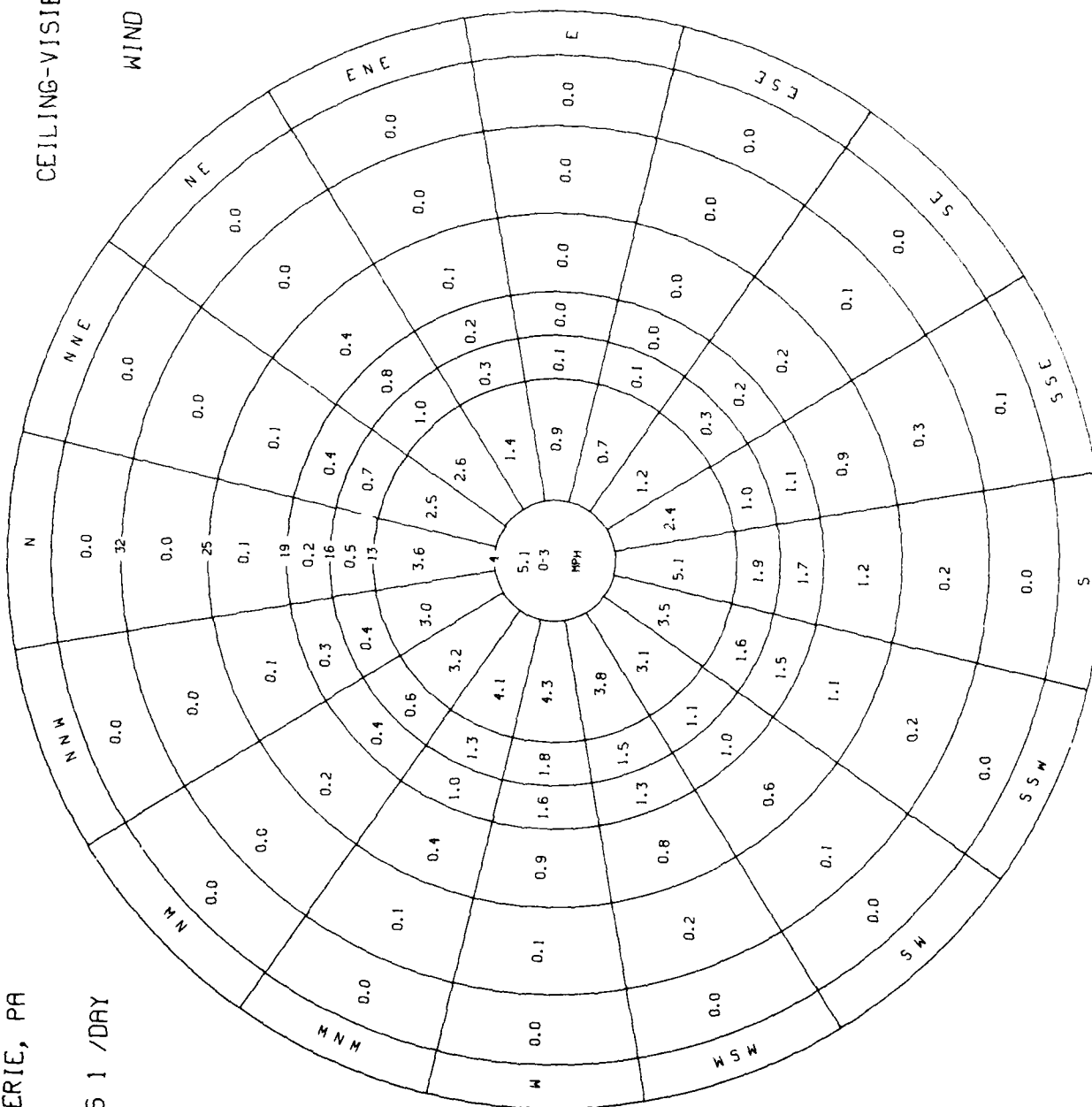


ERI ERIE, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 1 / DAY

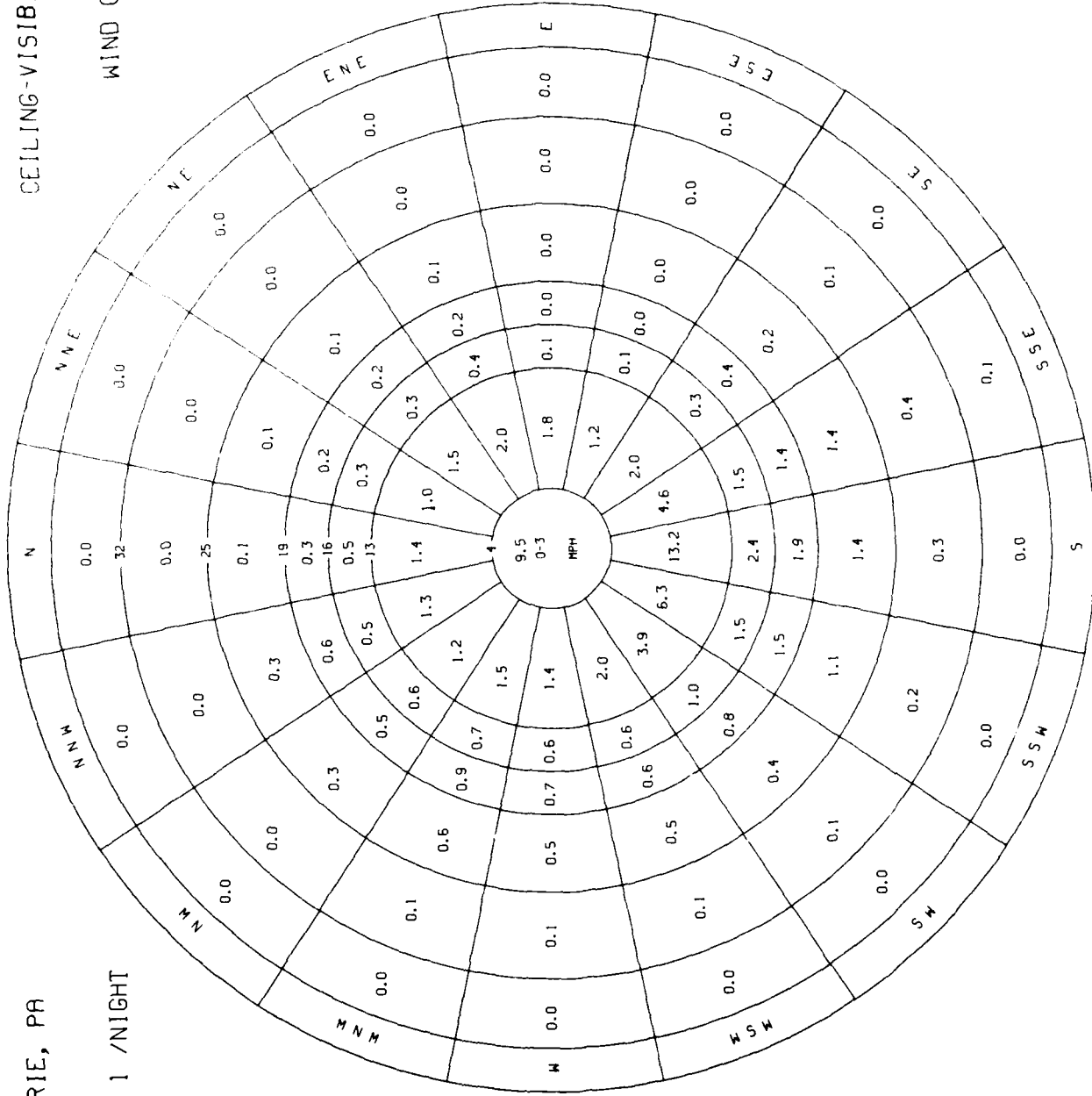
STATION NUMBER: 14860

NO. OBS.: 40885

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.2	.2	3.6	4.2	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	4.5	5.3	9.4
NNE	.1	.1	2.5	2.9	.7	.8	.4	.5	.1	.1	.0	.0	.0	.0	3.9	4.5	11.0
NE	.1	.2	2.6	3.1	1.0	1.2	.8	.9	.4	.4	.0	.0	.0	.0	4.9	5.8	12.0
ENE	.1	.1	1.4	1.6	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.1	2.5	10.5
E	.1	.1	.9	1.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.2	1.4	8.1
ESE	.1	.1	.7	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	8.5
SE	.2	.2	1.2	1.4	.3	.4	.2	.3	.2	.3	.1	.1	.0	.0	2.2	2.6	11.6
SSE	.2	.2	2.4	2.8	1.0	1.1	1.1	1.3	.9	1.0	.3	.4	.1	.1	5.9	6.9	14.2
S	.4	.5	5.1	6.0	1.9	2.3	1.7	2.0	1.2	1.4	.2	.3	.0	.0	10.6	12.5	12.7
SSW	.2	.2	3.5	4.1	1.6	1.8	1.5	1.7	1.1	1.2	.2	.3	.0	.0	8.0	9.4	13.5
SW	.3	.4	3.1	3.6	1.1	1.3	1.0	1.1	.6	.7	.1	.1	.0	.0	6.2	7.3	12.2
WSW	.2	.2	3.8	4.5	1.5	1.8	1.3	1.5	.8	.9	.2	.2	.0	.0	7.8	9.2	12.7
W	.2	.3	4.3	5.0	1.8	2.1	1.6	1.9	.9	1.0	.1	.1	.0	.0	8.9	10.5	12.7
WNW	.2	.2	4.1	4.8	1.3	1.5	1.0	1.2	.4	.5	.1	.1	.0	.0	7.0	8.2	11.7
NW	.2	.2	3.2	3.8	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	4.6	5.4	10.2
NNW	.2	.2	3.0	3.5	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.0	4.7	9.7
CALM	2.2	2.6													2.2	2.6	
TOTAL	5.1	6.0	45.4	53.5	14.2	16.7	11.8	13.8	7.0	8.2	1.4	1.6	.2	.2	85.0	100	11.7

ERI ERIE, PA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ERIE, PA

CLASS 1 / NIGHT

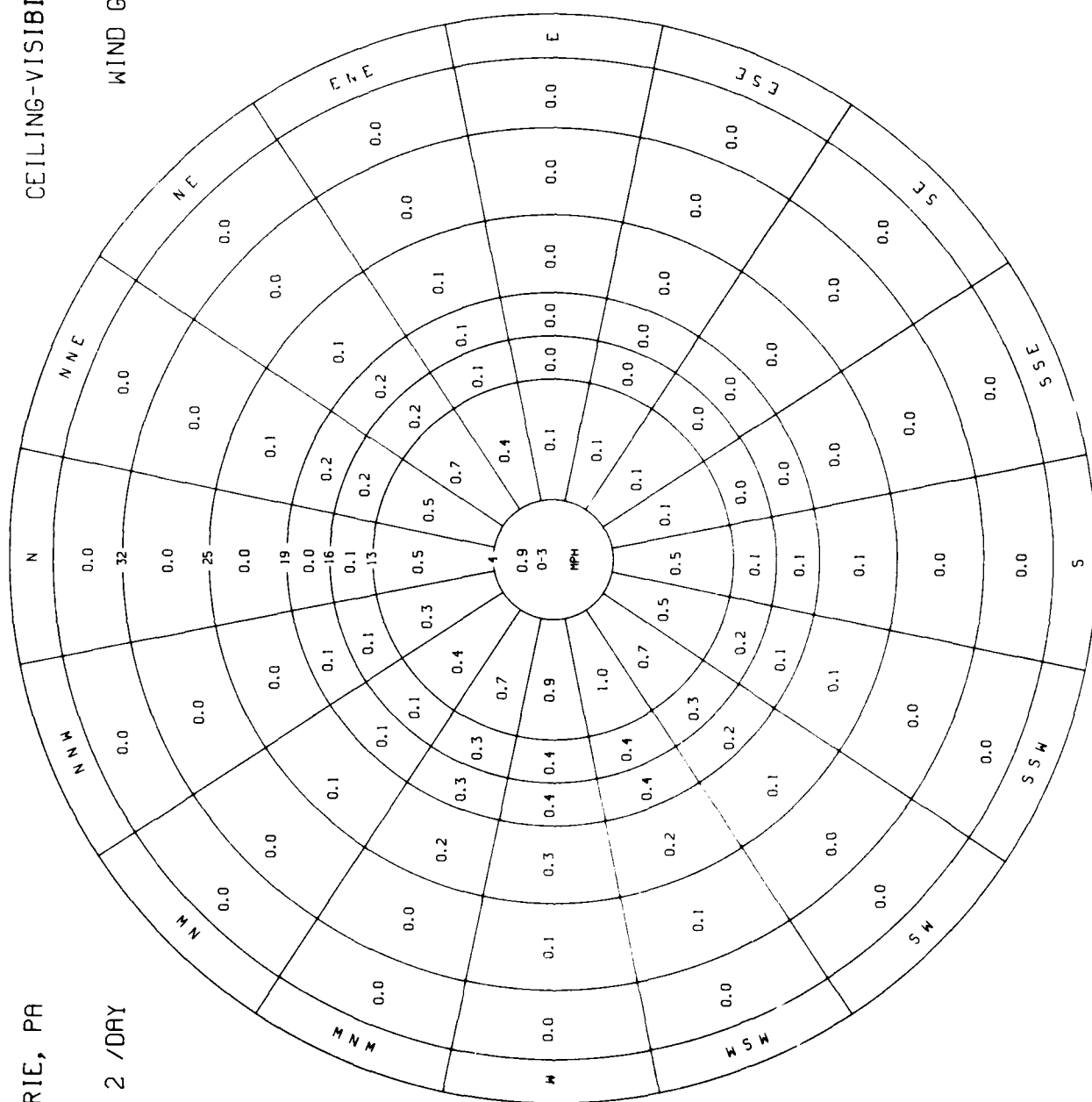
NO. OBS.: 36606

STATION NUMBER: 14860

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.1	1.4	1.7	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.4 2.7 11.1
NNE	.0	.1	1.0	1.1	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.6 1.8 10.9
NE	.2	.2	1.5	1.8	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.3 2.6 9.7
ENE	.2	.2	2.0	2.4	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.8 3.3 9.6
E	.3	.4	1.8	2.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.6 7.0
ESE	.3	.3	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.8 6.8
SE	.4	.5	2.0	2.3	.3	.4	.4	.4	.2	.3	.1	.1	.0	.0	3.4 4.0 10.3
SSE	.5	.6	4.6	5.4	1.5	1.8	1.4	1.6	1.4	1.6	.4	.5	.1	.1	10.0 11.6 13.1
S	1.3	1.5	13.2	15.3	2.4	2.8	1.9	2.2	1.4	1.6	.3	.3	.0	.0	20.4 23.7 10.3
SSW	.4	.5	6.3	7.4	1.5	1.8	1.5	1.8	1.1	1.2	.2	.3	.0	.0	11.2 13.0 11.7
SW	.4	.5	3.9	4.6	1.0	1.2	.8	1.0	.4	.5	.1	.1	.0	.0	6.7 7.8 11.0
WSW	.1	.2	2.0	2.3	.6	.7	.6	.7	.5	.6	.1	.1	.0	.0	3.9 4.6 12.9
W	.1	.1	1.4	1.6	.6	.7	.7	.8	.5	.6	.1	.1	.0	.0	3.4 4.0 13.8
WNW	.1	.1	1.5	1.8	.7	.8	.9	1.0	.6	.7	.1	.1	.0	.0	3.9 4.5 14.1
NW	.1	.1	1.2	1.4	.6	.7	.5	.6	.3	.3	.0	.1	.0	.0	2.6 3.0 13.1
NNW	.1	.1	1.3	1.5	.5	.6	.6	.6	.3	.3	.0	.0	.0	.0	2.7 3.2 13.0
CALM	5.0	5.8													5.0 5.8
TOTAL	9.5	11.1	46.4	53.8	11.4	13.3	10.1	11.8	7.0	8.1	1.4	1.7	.3	.3	86.2 100 10.7

ERI ERIE, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14860

NO. OBS.: 7218

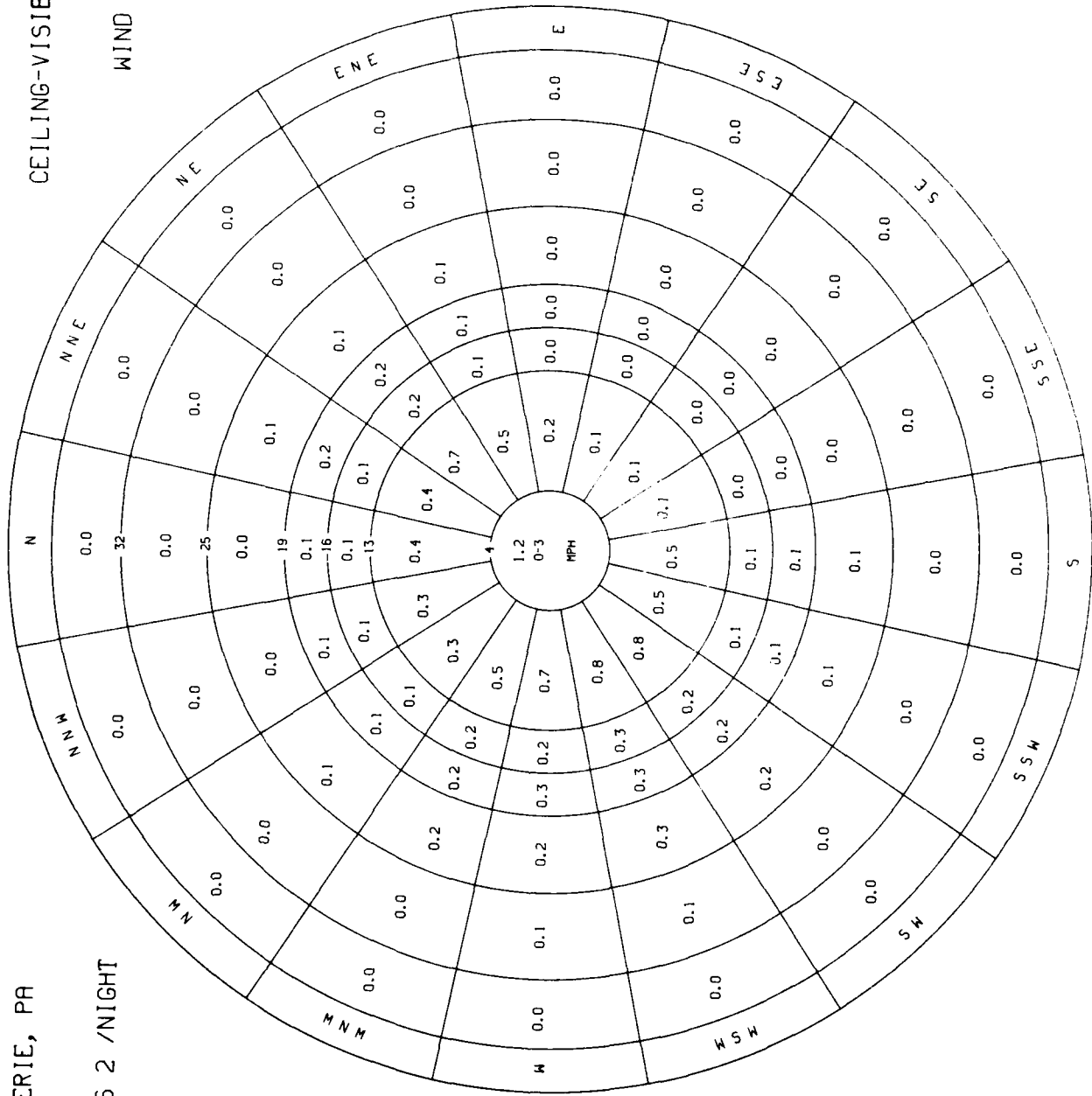
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.5	3.4	.1	.7	.0	.3	.0	.3	.0	.0	.0	.0	.8 5.0 10.3
NNE	.0	.2	.5	3.5	.2	1.4	.2	1.1	.1	.6	.0	.1	.0	.0	1.0 6.9 12.3
NE	.1	.3	.7	4.7	.2	1.6	.2	1.6	.1	1.0	.0	.2	.0	.0	1.4 9.5 12.6
ENE	.0	.2	.4	2.8	.1	.8	.1	.8	.1	.5	.0	.1	.0	.0	.8 5.1 12.0
E	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.2 7.8
ESE	.0	.1	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 .7 8.1
SE	.0	.2	.1	.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.0 9.4
SSE	.0	.2	.1	.9	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.3 1.8 12.1
S	.0	.3	.5	3.1	.1	.8	.1	.7	.1	.5	.0	.1	.0	.0	.8 5.5 11.7
SSW	.0	.2	.5	3.3	.2	1.0	.1	.9	.1	.7	.0	.2	.0	.0	.9 6.3 12.6
SW	.1	.4	.7	4.5	.3	1.7	.2	1.3	.1	.9	.0	.3	.0	.1	1.4 9.2 12.5
WSW	.0	.3	1.0	6.7	.4	2.3	.4	2.5	.2	1.5	.1	.4	.0	.0	2.0 13.7 13.1
W	.0	.2	.9	5.9	.4	2.7	.4	2.5	.3	1.9	.1	.4	.0	.1	2.1 13.7 13.8
WNW	.0	.1	.7	4.4	.3	1.8	.3	1.7	.2	1.1	.0	.1	.0	.0	1.4 9.3 13.0
NW	.0	.2	.4	2.8	.1	.9	.1	.7	.1	.4	.0	.1	.0	.0	.8 5.0 11.5
NNW	.0	.2	.3	2.2	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.5 3.6 10.9
CALM	.4	2.6													.4 2.6
TOTAL	.9	6.1	7.5	50.2	2.5	16.7	2.2	14.9	1.5	9.7	.3	2.1	.1	.3	15.0 100 12.1

ERI ERIE, PA

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 2 / NIGHT

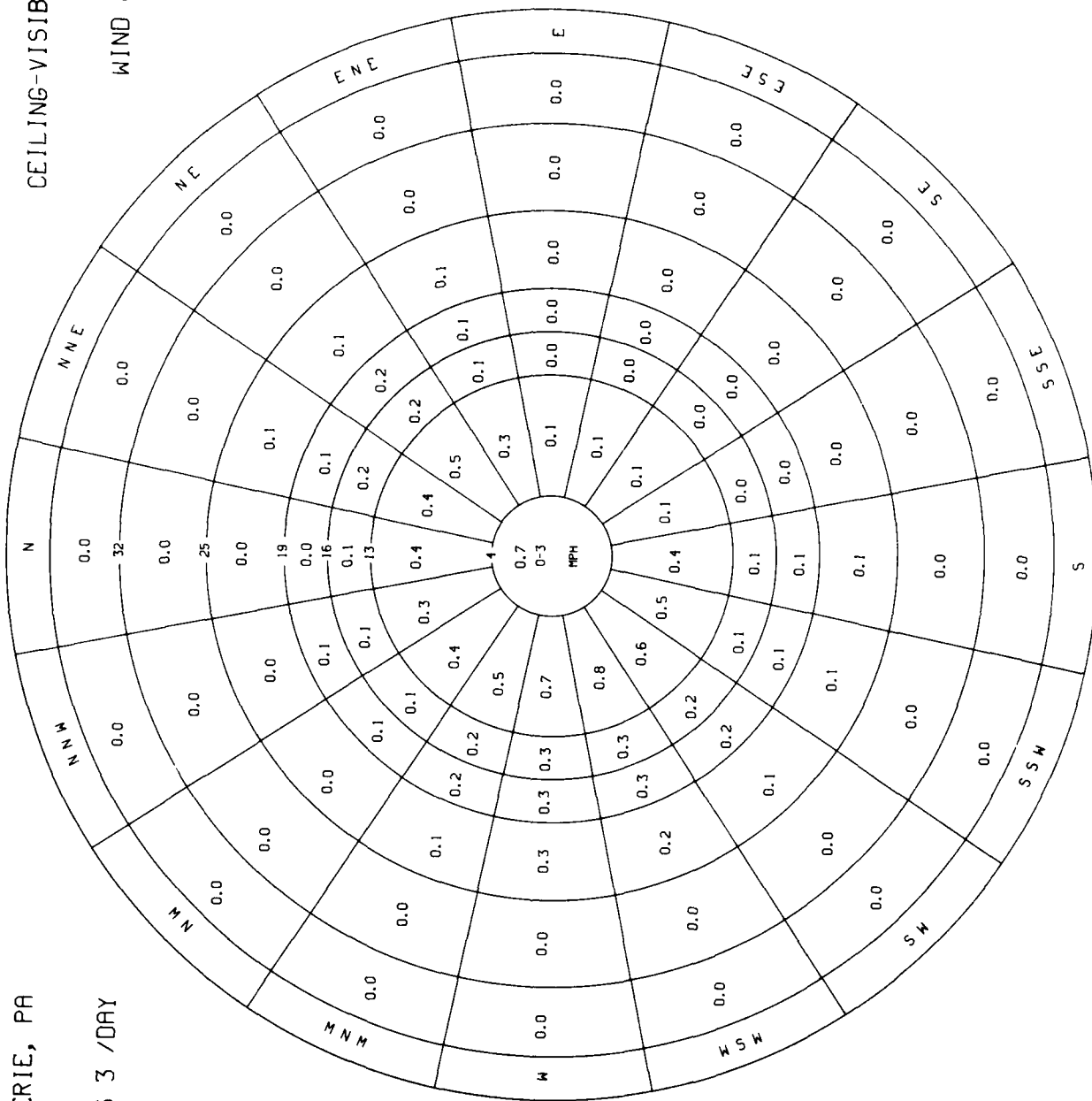
STATION NUMBER: 14860

NO. OBS.: 5849

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.4	2.9	.1	.7	.1	.6	.0	.3	.0	.0	.0	.0	.6	4.7	11.2
NNE	.0	.2	.4	3.0	.1	1.0	.2	1.2	.1	.7	.0	.0	.0	.0	.8	6.2	12.6
NE	.1	.6	.7	4.7	.2	1.4	.2	1.6	.1	1.0	.0	.3	.0	.0	1.3	9.6	12.4
ENE	.0	.3	.5	3.4	.1	.8	.1	.8	.1	.8	.0	.1	.0	.0	.8	6.0	11.9
E	.0	.3	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.7	7.4
ESE	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.6
SE	.0	.4	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.3	8.4
SSE	.0	.2	.1	1.1	.0	.2	.0	.4	.0	.3	.0	.1	.0	.0	.3	2.3	12.3
S	.1	.5	.5	3.5	.1	.8	.1	.5	.1	.5	.0	.1	.0	.0	.8	5.7	10.4
SSW	.0	.3	.5	3.9	.1	1.0	.1	1.0	.1	.9	.0	.1	.0	.0	1.0	7.1	12.0
SW	.1	.5	.8	5.7	.2	1.6	.2	1.7	.2	1.2	.0	.1	.0	.0	1.5	10.9	11.8
WSW	.0	.2	.8	5.9	.3	2.1	.3	2.0	.3	2.0	.1	.5	.0	.0	1.8	12.8	13.5
W	.0	.3	.7	4.8	.2	1.6	.3	2.0	.2	1.2	.1	.4	.0	.1	1.4	10.4	13.4
WNW	.0	.2	.5	3.3	.2	1.2	.2	1.6	.2	1.1	.0	.2	.0	.0	1.1	7.8	13.7
NW	.0	.1	.3	2.2	.1	.6	.1	.6	.1	.5	.0	.1	.0	.0	.6	4.1	12.3
NNW	.0	.1	.3	2.1	.1	.6	.1	.7	.0	.3	.0	.1	.0	.0	.5	3.9	12.4
CALM	.6	4.6													.6	4.6	
TOTAL	1.2	9.0	6.8	49.2	1.9	13.8	2.0	14.7	1.5	10.8	.3	2.1	.0	.3	13.8	100	11.7

CEILING-VISIBILITY WIND GRAPH

ERI ERIE, PA
CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 3 / DAY

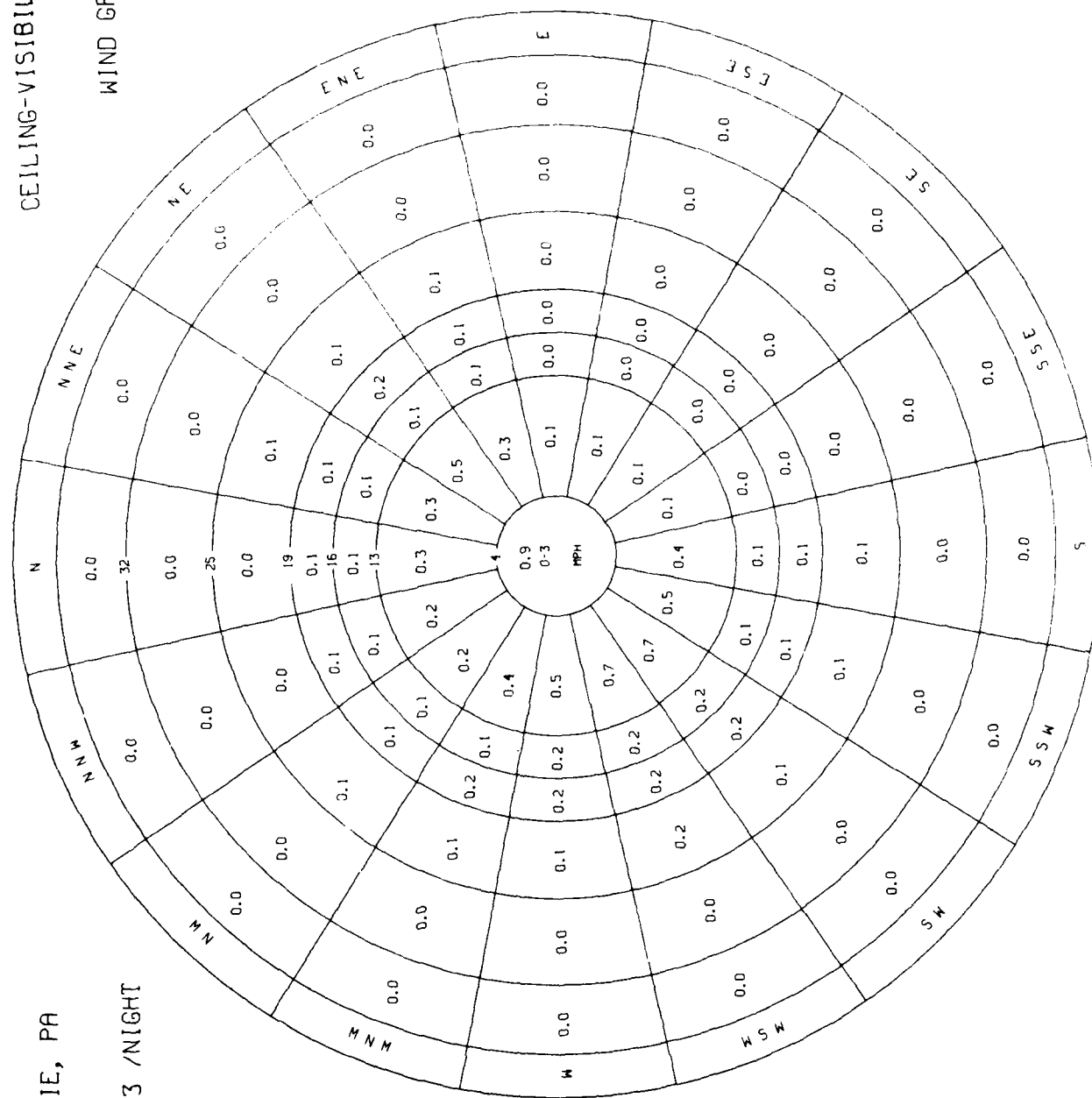
STATION NUMBER: 14860

NO. OBS.: 6040

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.4	3.4	.1	.7	.0	.3	.0	.3	.0	.0	.0	.0	.6	4.8	10.4
NNE	.0	.1	.4	3.2	.2	1.4	.1	1.0	.1	.6	.0	.0	.0	.0	.8	6.3	12.3
NE	.0	.3	.5	3.9	.2	1.5	.2	1.4	.1	1.0	.0	.2	.0	.0	1.0	8.3	12.8
ENE	.0	.2	.3	2.7	.1	.8	.1	.8	.1	.5	.0	.1	.0	.0	.6	5.0	11.9
E	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	8.0
ESE	.0	.1	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	8.2
SE	.0	.2	.1	.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.2	9.5
SSE	.0	.1	.1	.9	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2	1.9	12.4
S	.0	.3	.4	3.5	.1	.9	.1	.8	.1	.5	.0	.1	.0	.0	.8	6.2	11.6
SSW	.0	.3	.5	3.6	.1	1.1	.1	.9	.1	.7	.0	.2	.0	.0	.9	6.9	12.4
SW	.1	.4	.6	4.8	.2	1.9	.2	1.3	.1	.8	.0	.2	.0	.0	1.2	9.5	12.2
WSW	.0	.2	.8	6.6	.3	2.5	.3	2.6	.2	1.4	.0	.4	.0	.0	1.7	13.7	13.2
W	.0	.2	.7	5.8	.3	2.8	.3	2.7	.3	2.0	.0	.4	.0	.0	1.7	13.9	13.9
WNW	.0	.1	.5	4.3	.2	1.8	.2	1.7	.1	1.2	.0	.1	.0	.0	1.2	9.2	13.1
NW	.0	.2	.4	2.8	.1	1.0	.1	.7	.0	.4	.0	.0	.0	.0	.6	5.1	11.6
NNW	.0	.1	.3	2.3	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.5	3.7	11.1
CALM	.3	2.4													.3	2.4	
TOTAL	.7	5.6	6.3	50.0	2.2	17.4	1.9	15.1	1.2	9.9	.2	1.8	.0	.2	12.6	100	12.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1941-1978

CLASS 3 / NIGHT

STATION NUMBER: 14860

NO. OBS.: 4736

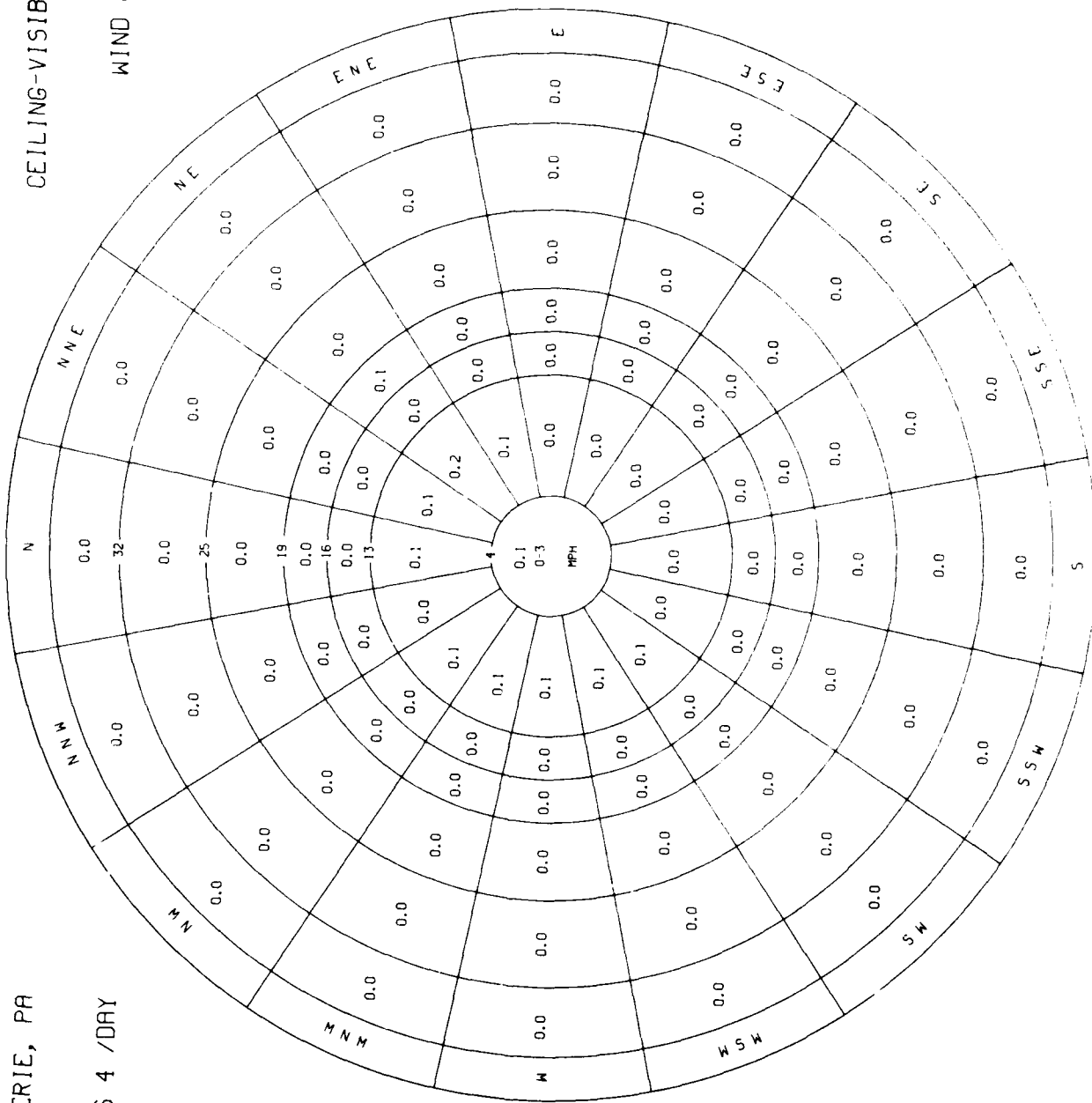
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.3	2.8	.1	.8	.1	.6	.0	.3	.0	.0	.0	.0	.5 4.6 11.6
NNE	.0	.1	.3	2.6	.1	1.1	.1	1.1	.1	.7	.0	.0	.0	.0	.6 5.6 12.9
NE	.0	.4	.5	4.4	.1	1.2	.2	1.5	.1	.9	.0	.3	.0	.0	1.0 8.7 12.6
ENE	.0	.3	.3	3.0	.1	.7	.1	.7	.1	.7	.0	.1	.0	.0	.6 5.5 11.8
E	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5 7.5
ESE	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0 6.8
SE	.0	.4	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.5 8.3
SSE	.0	.3	.1	1.2	.0	.3	.0	.4	.0	.3	.0	.1	.0	.0	.3 2.4 11.9
S	.1	.6	.4	3.7	.1	.9	.1	.6	.1	.6	.0	.1	.0	.0	.7 6.4 10.5
SSW	.0	.2	.5	4.5	.1	1.1	.1	1.1	.1	.9	.0	.1	.0	.0	.9 7.9 11.9
SW	.1	.6	.7	6.4	.2	1.8	.2	1.9	.1	1.0	.0	.1	.0	.0	1.3 11.7 11.6
WSW	.0	.2	.7	5.8	.2	2.2	.2	2.2	.2	2.0	.0	.4	.0	.0	1.4 12.9 13.6
W	.0	.3	.5	4.2	.2	1.6	.2	2.1	.1	1.3	.0	.4	.0	.1	1.1 9.9 13.8
WNW	.0	.1	.4	3.4	.1	1.2	.2	1.9	.1	1.3	.0	.2	.0	.0	.9 8.2 13.9
NW	.0	.1	.2	2.0	.1	.6	.1	.7	.1	.5	.0	.1	.0	.0	.4 4.0 12.6
NNW	.0	.1	.2	2.2	.1	.6	.1	.8	.0	.3	.0	.1	.0	.0	.5 4.2 12.5
CALM	.5	4.1													.5 4.1
TOTAL	.9	8.4	5.4	48.8	1.6	14.2	1.7	15.6	1.2	10.9	.2	1.9	.0	.2	11.1 100 11.8

ERI ERIE, PA

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 14860

NO. OBS.: 864

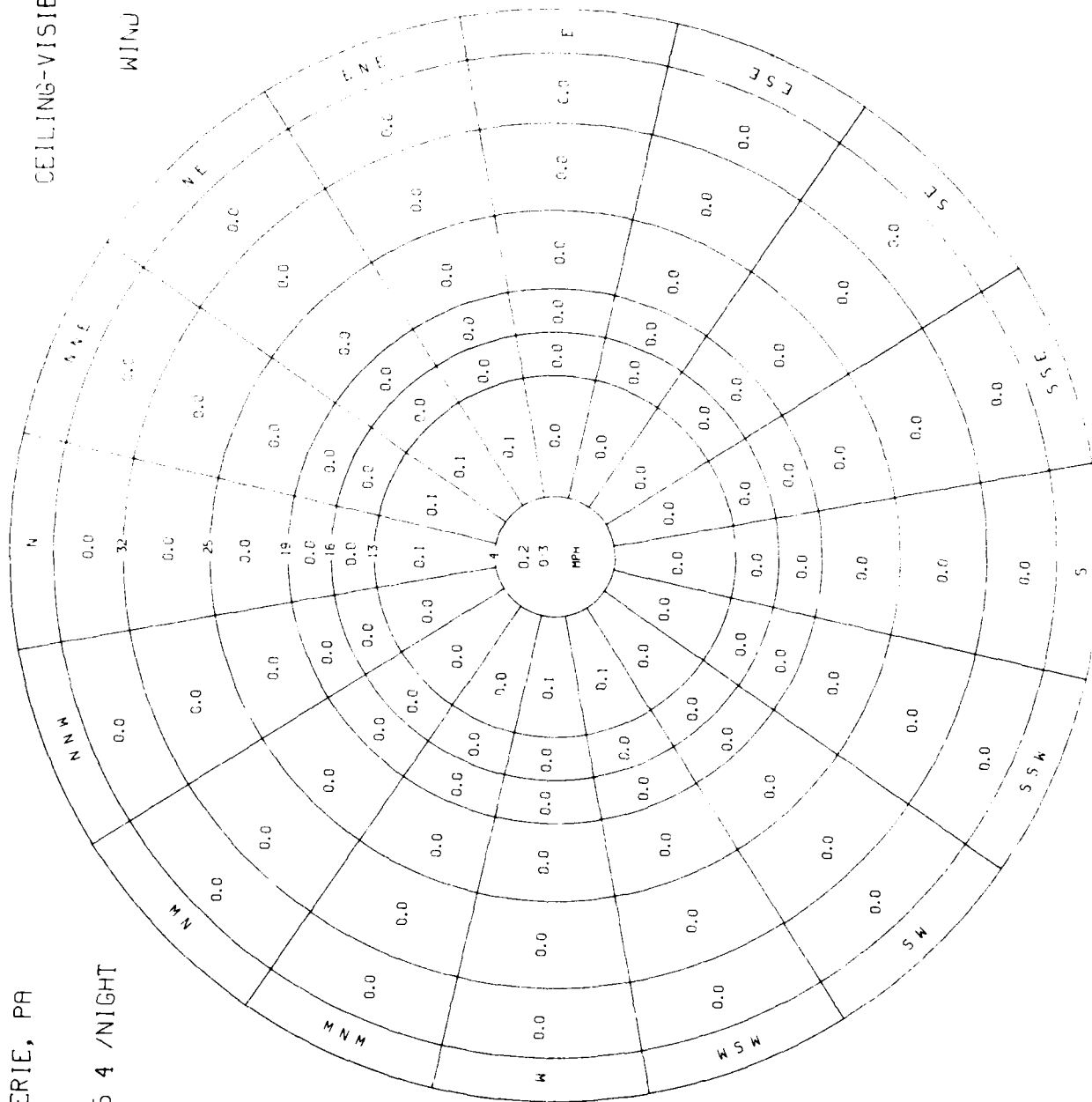
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.1	3.7	.0	1.0	.0	.5	.0	.7	.0	.0	.0	.0	.1 6.4
NNE	.0	.3	.1	5.2	.0	1.7	.0	2.0	.0	.9	.0	.3	.0	.0	.2 10.5
NE	.0	.6	.2	8.4	.0	2.7	.1	3.1	.0	1.2	.0	.5	.0	.0	.3 16.4
ENE	.0	.0	.1	3.6	.0	.9	.0	1.4	.0	.2	.0	.2	.0	.2	.1 6.6
E	.0	.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
SE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
SSE	.0	.3	.0	.7	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0 1.5
S	.0	.0	.0	1.0	.0	.1	.0	.1	.0	.6	.0	.0	.0	.0	.0 1.9
SSW	.0	.0	.0	1.3	.0	.5	.0	.8	.0	.7	.0	.0	.0	.0	.1 3.2
SW	.0	.3	.1	3.0	.0	1.2	.0	1.5	.0	.8	.0	.2	.0	.1	.1 7.2
WSW	.0	.5	.1	7.3	.0	1.4	.0	1.5	.0	1.7	.0	.3	.0	.0	.2 12.7
W	.0	.5	.1	6.4	.0	2.2	.0	1.7	.0	1.7	.0	.6	.0	.1	.2 13.2
WNW	.0	.3	.1	4.3	.0	1.6	.0	1.7	.0	.7	.0	.3	.0	.3	.2 9.4
NW	.0	.0	.1	3.1	.0	.1	.0	.2	.0	.5	.0	.1	.0	.0	.1 4.1
NNW	.0	.2	.0	1.3	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.0 2.4
CALM	.1	3.0													.1 3.0
TOTAL	.1	6.7	.9	50.7	.3	14.0	.4	15.0	.2	9.8	.1	2.9	.0	.8	1.8 100

ERI ERIE, PA

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14860

NO. OBS.: 789

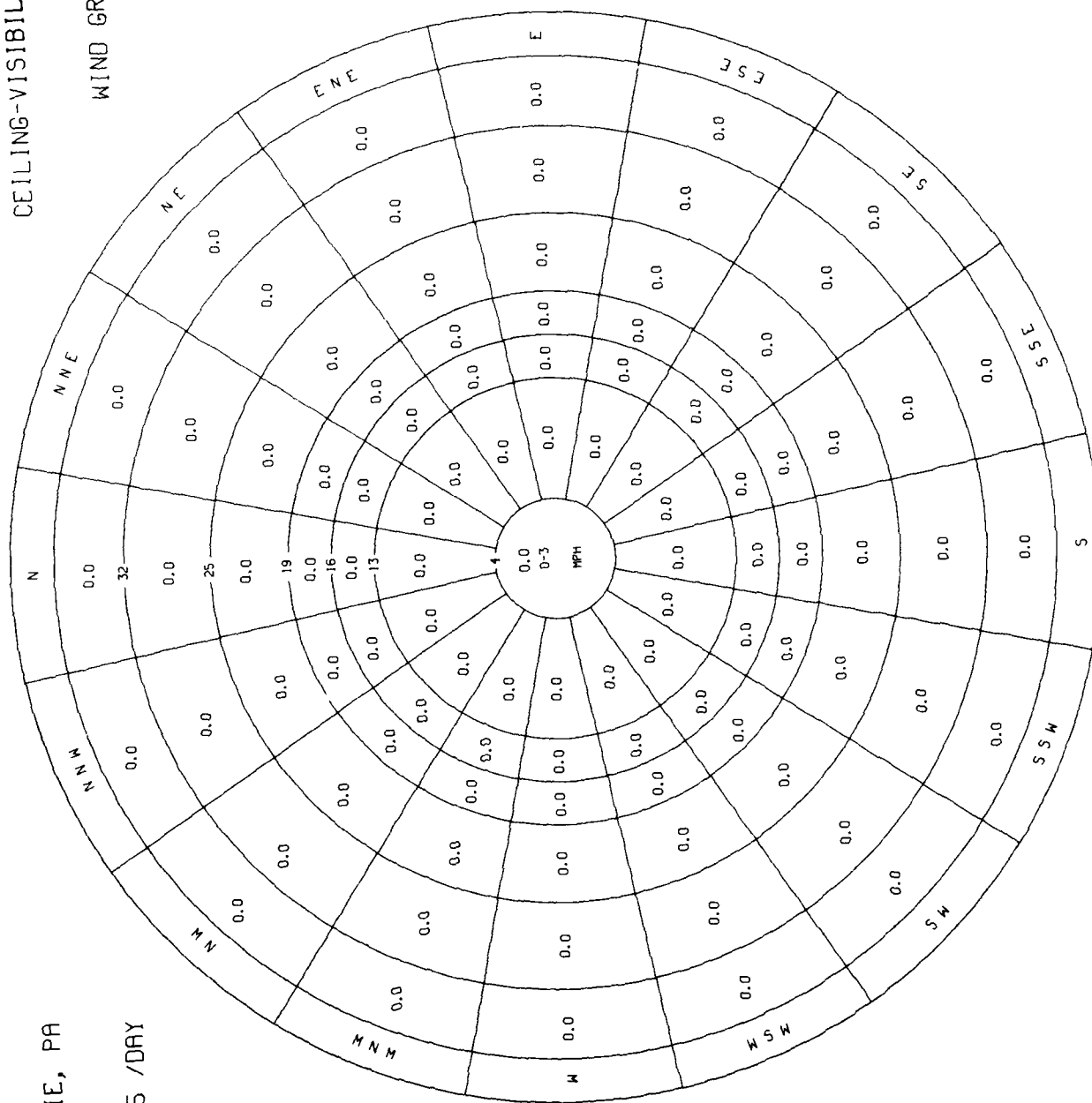
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.1	3.4	.0	.5	.0	.8	.0	.3	.0	.0	.0	.0	.1 5.2 10.7
NNE	.0	.3	.1	5.2	.0	.9	.0	1.8	.0	.9	.0	.0	.0	.0	.2 9.0 12.0
NE	.0	1.1	.1	7.4	.0	2.7	.0	2.2	.0	1.0	.0	.5	.0	.1	.3 15.0 11.8
ENE	.0	.4	.1	5.2	.0	1.1	.0	1.3	.0	1.4	.0	.0	.0	.1	.2 9.5 12.6
E	.0	.3	.0	1.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0 2.2 8.3
ESE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .1 7.0
SE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0 .3 14.5
SSE	.0	.1	.0	.5	.0	.1	.0	.3	.0	.3	.0	.1	.0	.0	.0 1.4 14.2
S	.0	.0	.0	2.2	.0	.4	.0	.1	.0	.3	.0	.0	.0	.0	.1 2.9 9.6
SSW	.0	.4	.0	1.5	.0	.8	.0	.3	.0	.9	.0	.0	.0	.1	.1 3.9 12.8
SW	.0	.3	.0	2.5	.0	1.0	.0	1.0	.0	1.9	.0	.1	.0	.0	.1 6.8 14.0
WSW	.0	.3	.1	7.4	.0	2.0	.0	1.1	.0	2.2	.0	.4	.0	.1	.2 13.4 12.9
W	.0	.1	.1	7.0	.0	1.9	.0	1.6	.0	1.1	.0	.6	.0	.3	.2 12.7 13.1
WNW	.0	.4	.0	2.4	.0	1.5	.0	.5	.0	.4	.0	.6	.0	.0	.1 5.8 13.5
NW	.0	.1	.0	2.2	.0	.9	.0	.6	.0	.5	.0	.1	.0	.0	.1 4.4 12.1
NNW	.0	.0	.0	1.5	.0	.8	.0	.3	.0	.3	.0	.1	.0	.0	.1 2.9 12.9
CALM	.1	4.4													.1 4.4
TOTAL	.2	8.4	.9	50.2	.3	14.6	.2	11.9	.2	11.5	.0	2.7	.0	.8	1.9 100 11.9

CEILING-VISIBILITY

WIND GRAPH

ERI ERIE, PA

CLASS 5 /DAY

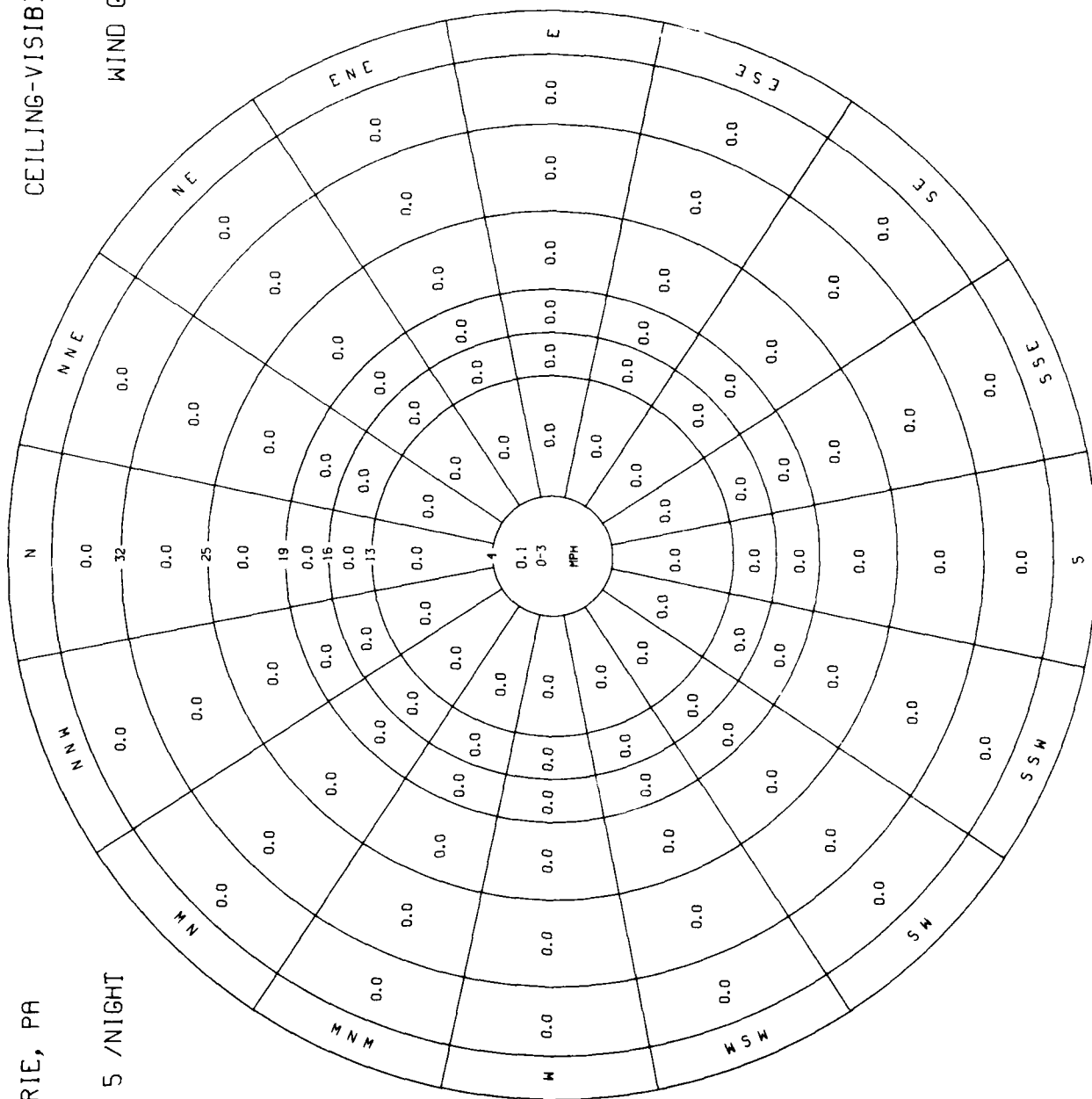


CEILING-VISIBILITY

WIND GRAPH

ERI ERIE, PA

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ERI ERIE, PA

CLASS 5 / NIGHT

NO. OBS.: 188

STATION NUMBER: 14860

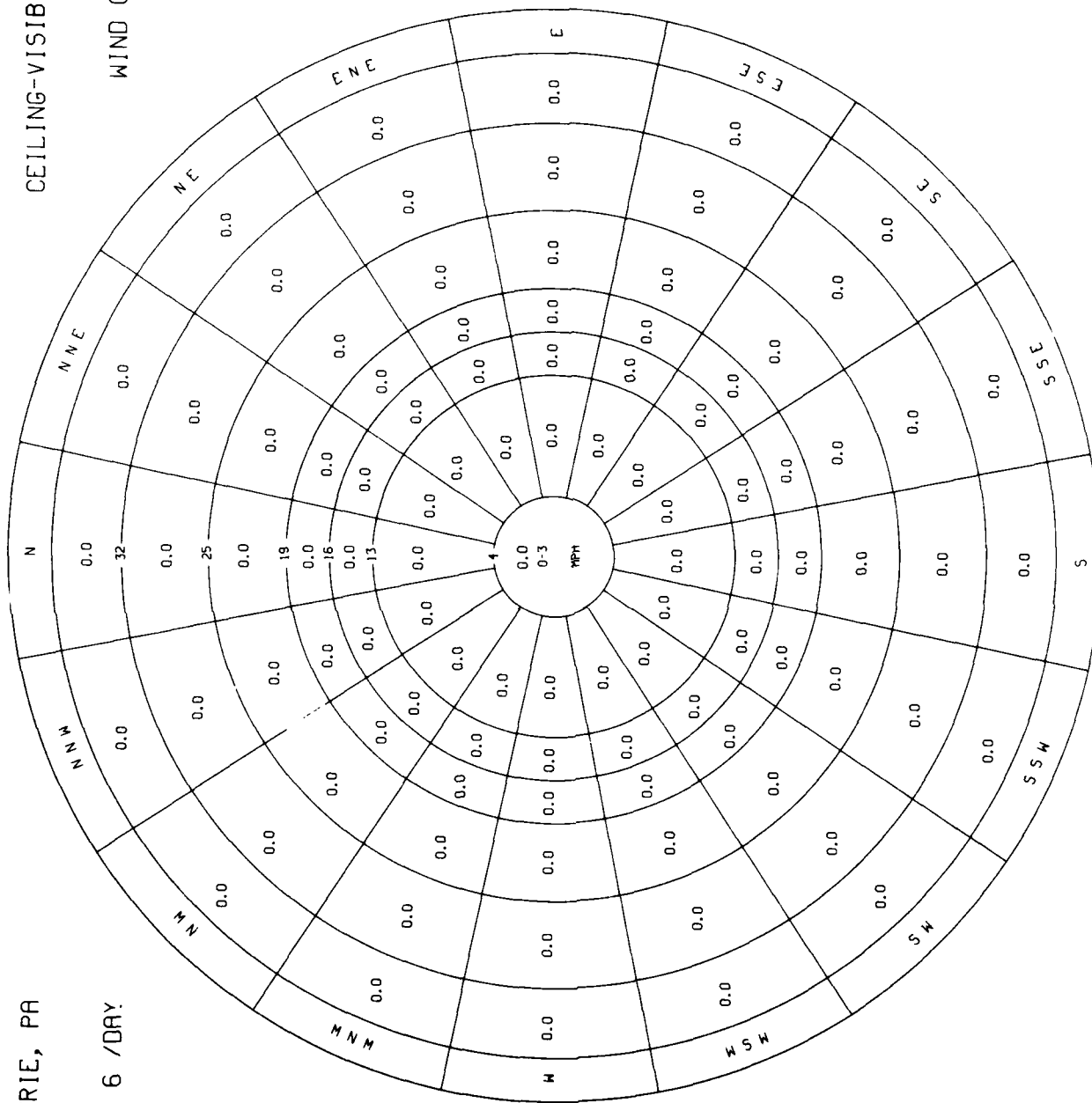
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.5	.0	3.2	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	5.3	9.1
NNE	.0	.5	.0	4.8	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	7.4	10.2
NE	.0	1.1	.0	5.3	.0	1.6	.0	1.1	.0	1.6	.0	.5	.0	.0	.0	11.2	12.1
ENE	.0	.0	.0	3.2	.0	.5	.0	.5	.0	.5	.0	.5	.0	.0	.0	5.3	13.3
E	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.2
ESE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
SE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.5
SSE	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.1	12.0
S	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.3
SSW	.0	.0	.0	.5	.0	.0	.0	1.1	.0	1.1	.0	.5	.0	.0	.0	3.2	19.3
SW	.0	.0	.0	3.2	.0	.5	.0	.5	.0	2.7	.0	1.1	.0	.0	.0	8.0	15.8
WSW	.0	.0	.0	4.8	.0	2.1	.0	1.6	.0	1.1	.0	2.1	.0	.0	.1	11.7	14.8
W	.0	.5	.0	11.2	.0	.5	.0	1.6	.0	1.1	.0	.0	.0	.0	.1	14.9	10.7
WNW	.0	1.6	.0	3.7	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	6.4	9.2
NW	.0	.0	.0	4.3	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	5.3	9.6
NNW	.0	.5	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.7
CALM	.0	9.0													.0	9.0	
TOTAL	1	15.4	.2	52.7	.0	7.4	.0	9.6	.0	9.6	.0	5.3	.0	.0	.4	100	10.6

ERI ERIE, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 6 / DAY

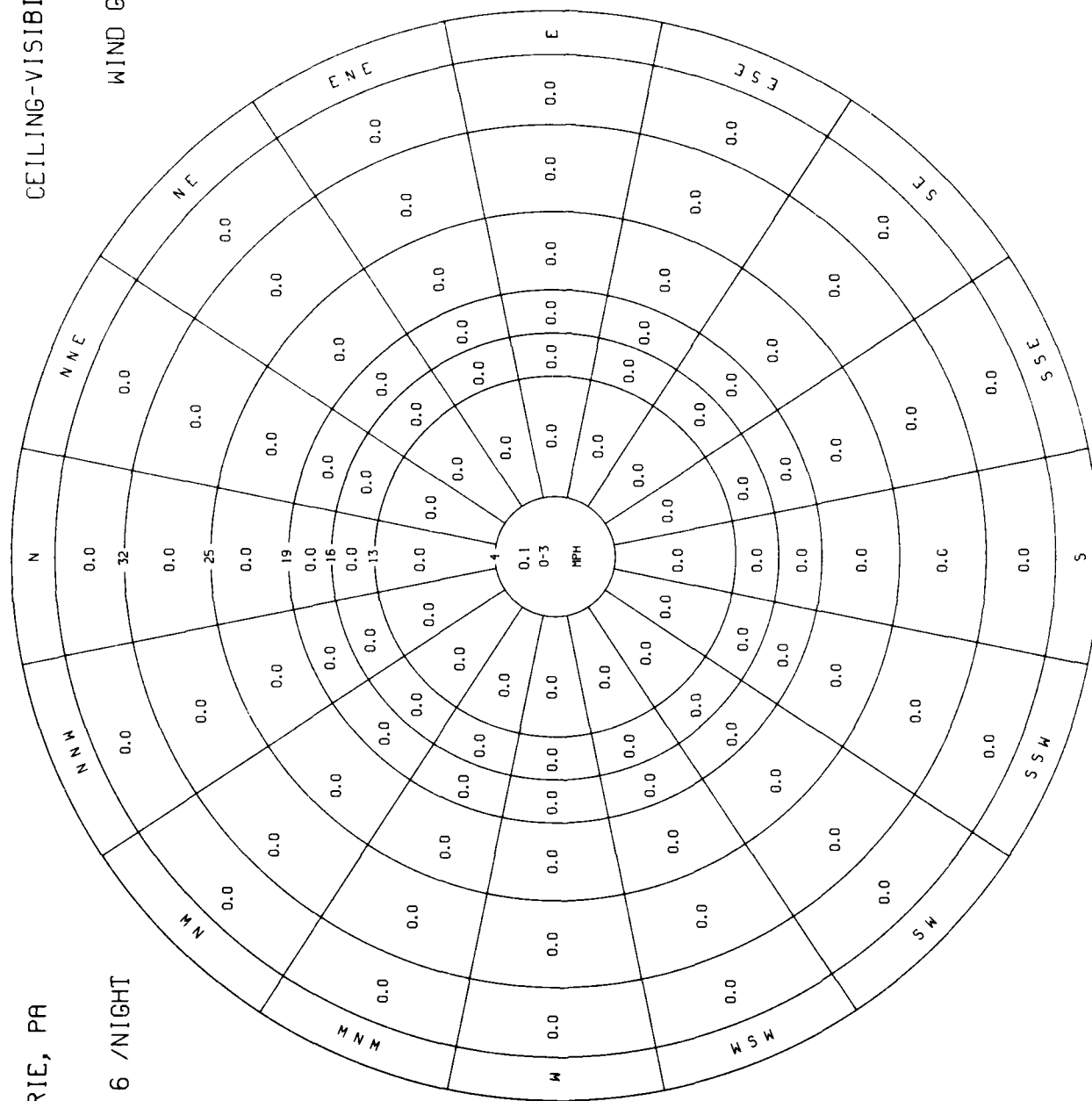
STATION NUMBER: 14860

NO. OBS.: 130

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.5	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.7
NNE	.0	.0	.0	3.8	.0	2.3	.0	.8	.0	1.5	.0	.0	.0	.0	.0	8.5	13.7
NE	.0	.8	.0	11.5	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	13.1	9.5
ENE	.0	.8	.0	3.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	5.4	8.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
S	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.5
SSW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	.0	4.6	17.0
SW	.0	.0	.0	3.8	.0	.0	.0	1.5	.0	1.5	.0	1.5	.0	.0	.0	8.5	15.7
WSW	.0	.0	.0	6.9	.0	2.3	.0	3.1	.0	.8	.0	1.5	.0	.0	.0	14.6	14.3
W	.0	.0	.0	6.2	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	7.7	11.0
WNW	.0	.0	.0	9.2	.0	.8	.0	.0	.0	.8	.0	1.5	.0	.0	.0	12.3	11.2
NW	.0	.8	.0	3.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.6
NNW	.0	2.3	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.1
CALM	.0	6.9													.0	6.9	
TOTAL	.0	13.8	.2	60.8	.0	6.9	.0	6.2	.0	6.9	.0	4.6	.0	.8	.3	10.0	10.4

ERI ERIE, PA

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

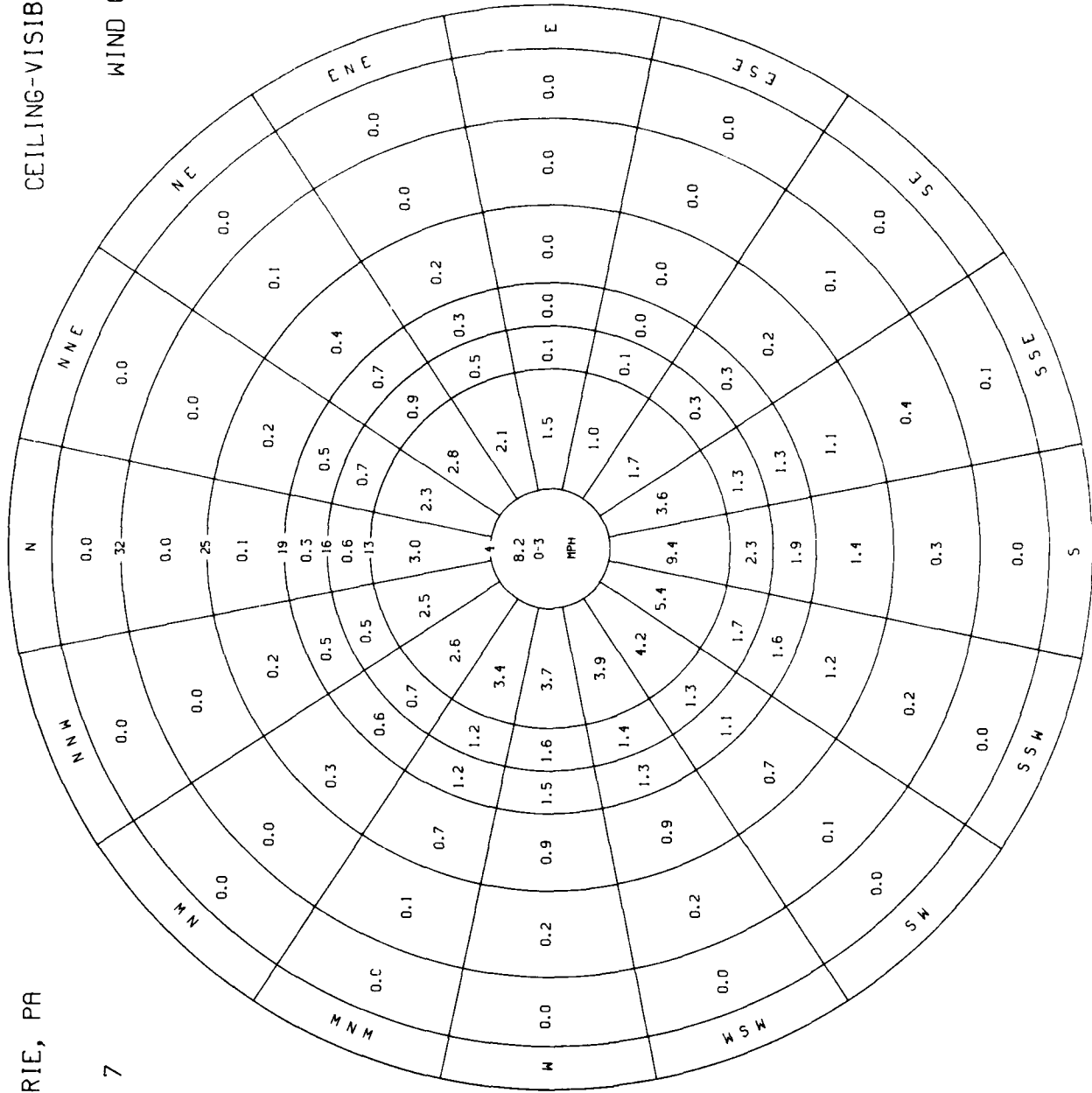
STATION NUMBER: 14860

NO. OBS.: 142

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.7	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.4
NNE	.0	.0	.0	3.5	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	5.6	11.7
NE	.0	1.4	.0	2.1	.0	1.4	.0	1.4	.0	.7	.0	.0	.0	.0	.0	7.0	11.2
ENE	.0	.0	.0	4.9	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	5.6	10.0
E	.0	1.4	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.5
ESE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.0
SE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.0
SSE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	2.1	20.7
S	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.8
SSW	.0	1.4	.0	4.2	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	6.3	7.7
SW	.0	1.4	.0	5.6	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	8.5	9.7
WSW	.0	.0	.0	3.5	.0	.7	.0	1.4	.0	.7	.0	.7	.0	.0	.0	7.0	13.8
W	.0	2.1	.0	6.3	.0	.7	.0	.7	.0	.7	.0	.7	.0	.0	.0	11.3	9.5
WNW	.0	.7	.0	4.2	.0	2.1	.0	.0	.0	1.4	.0	.0	.0	.0	.0	8.5	10.4
NW	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.0
NNW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.7
CALM	.1	16.2														1	16.2
TOTAL	.1	26.1	.2	54.2	.0	5.6	.0	5.6	.0	5.6	.0	2.8	.0	.0	.3	100	8.0

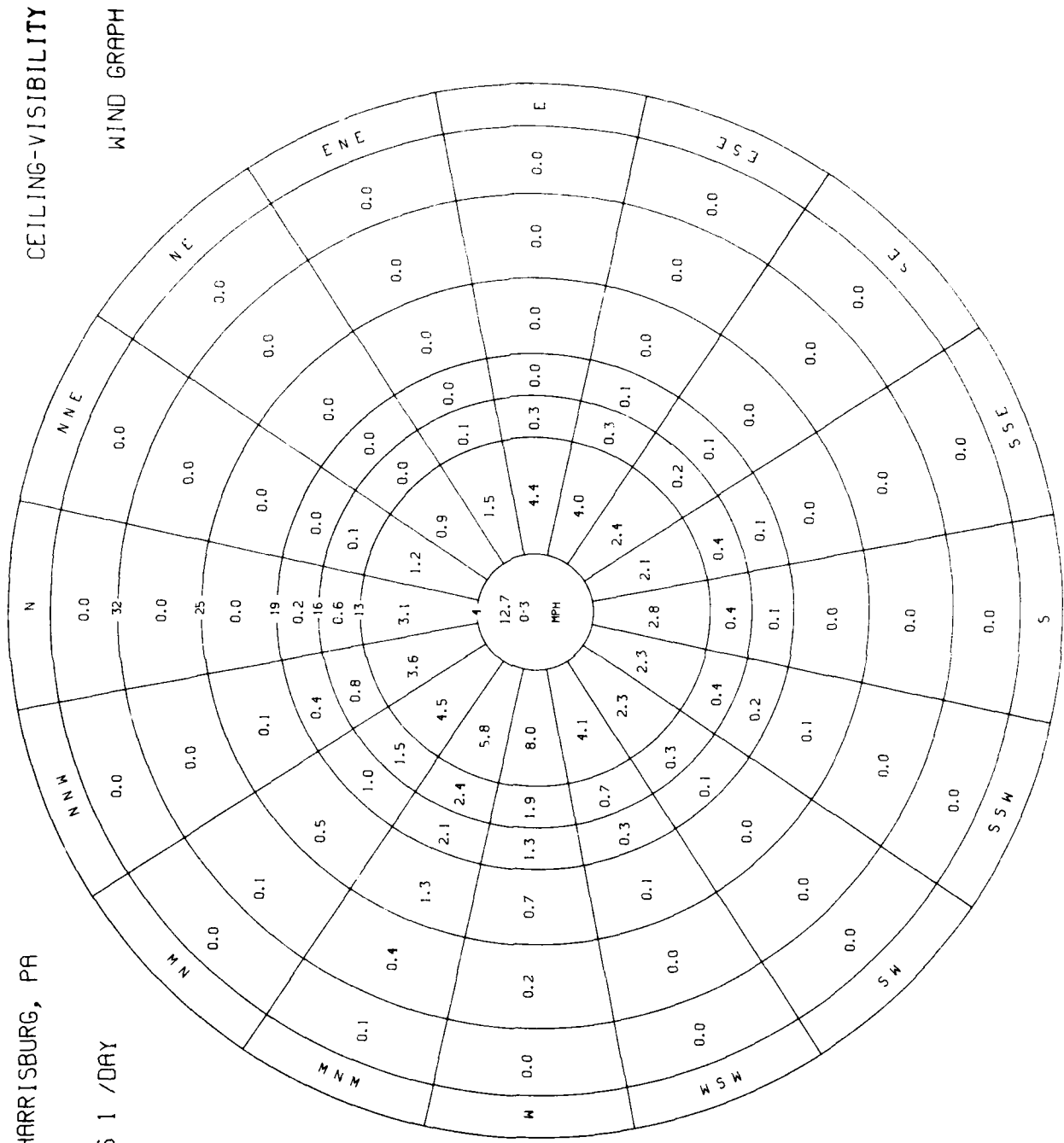
CEILING-VISIBILITY

WIND GRAPH



CXY HARRISBURG, PA

CLASS 1 /DAY



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14751

NO. OBS.: 43063

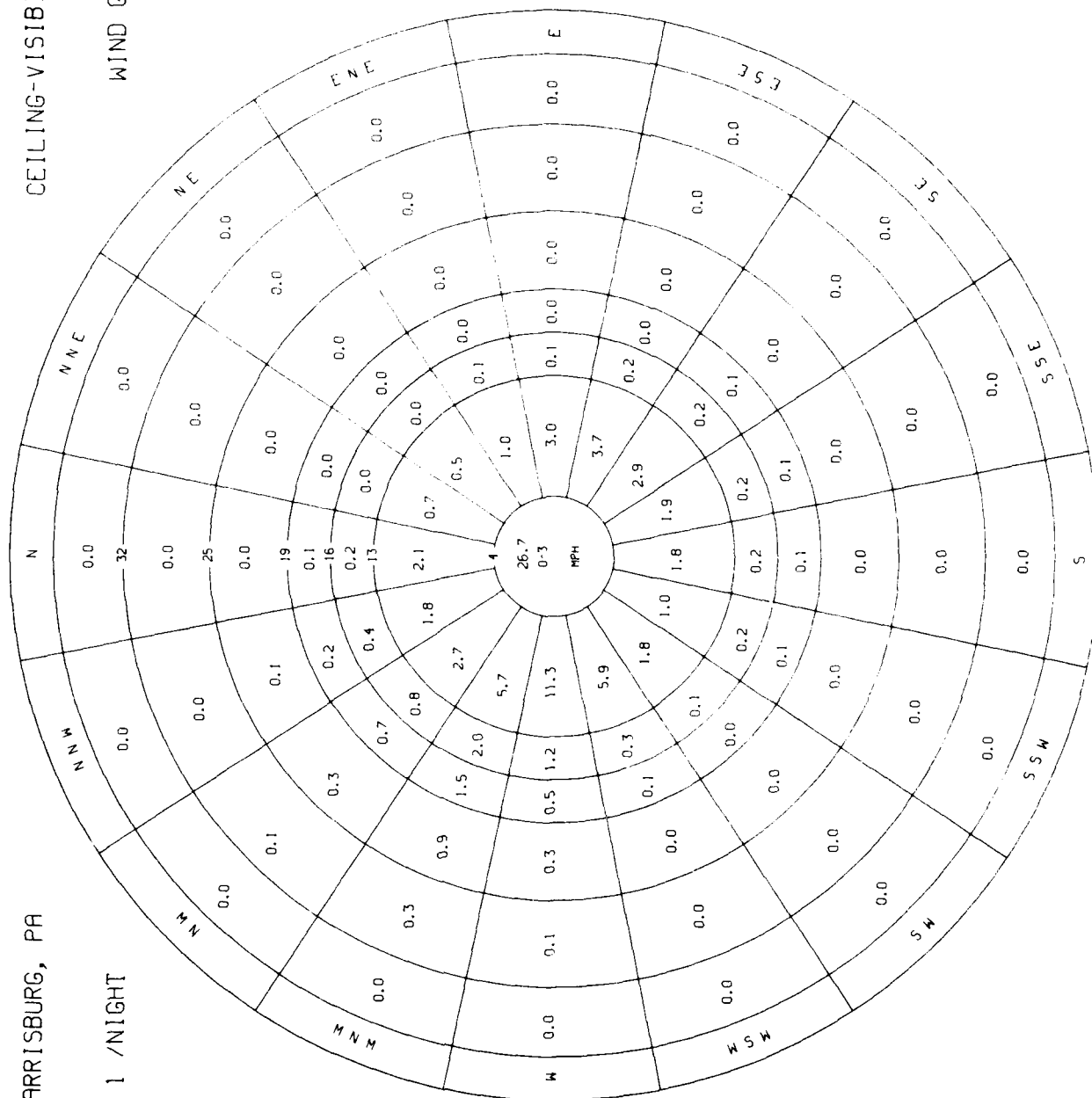
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.5	.6	3.1	3.6	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	4.4	5.1	8.7
NNE	.3	.4	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	7.0
NE	.3	.4	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.4	6.3
ENE	.3	.4	1.5	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.3	6.8
E	.6	.7	4.4	5.1	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	5.3	6.1	7.4
ESE	.5	.6	4.0	4.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.8	7.5
SE	.4	.5	2.4	2.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.6	7.5
SSE	.3	.4	2.1	2.4	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	2.9	3.4	8.5
S	.4	.5	2.8	3.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	3.8	4.4	8.4
SSW	.4	.5	2.3	2.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.4	4.0	8.8
SW	.5	.6	2.3	2.6	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.7	7.5
WSW	.7	.8	4.1	4.8	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	5.9	6.9	8.5
W	.9	1.1	8.0	9.3	1.9	2.2	1.3	1.5	.7	.8	.2	.2	.0	.0	13.0	15.2	10.4
WNW	.7	.9	5.8	6.7	2.4	2.8	2.1	2.5	1.3	1.5	.4	.4	.1	.1	12.8	14.9	12.4
NW	.7	.8	4.5	5.2	1.5	1.8	1.0	1.2	.5	.6	.1	.1	.0	.0	8.4	9.7	11.1
NNW	.5	.6	3.6	4.2	.8	.9	.4	.5	.1	.1	.0	.0	.0	.0	5.4	6.3	9.5
CALM	4.5	5.2													4.5	5.2	
TOTAL	12.7	14.8	52.9	61.5	10.5	12.2	6.0	7.0	3.0	3.5	.7	.9	.1	.1	86.0	100	9.0

CXY HARRISBURG, PA

CEILING-VISIBILITY

WIND GRAPH

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 1 / NIGHT

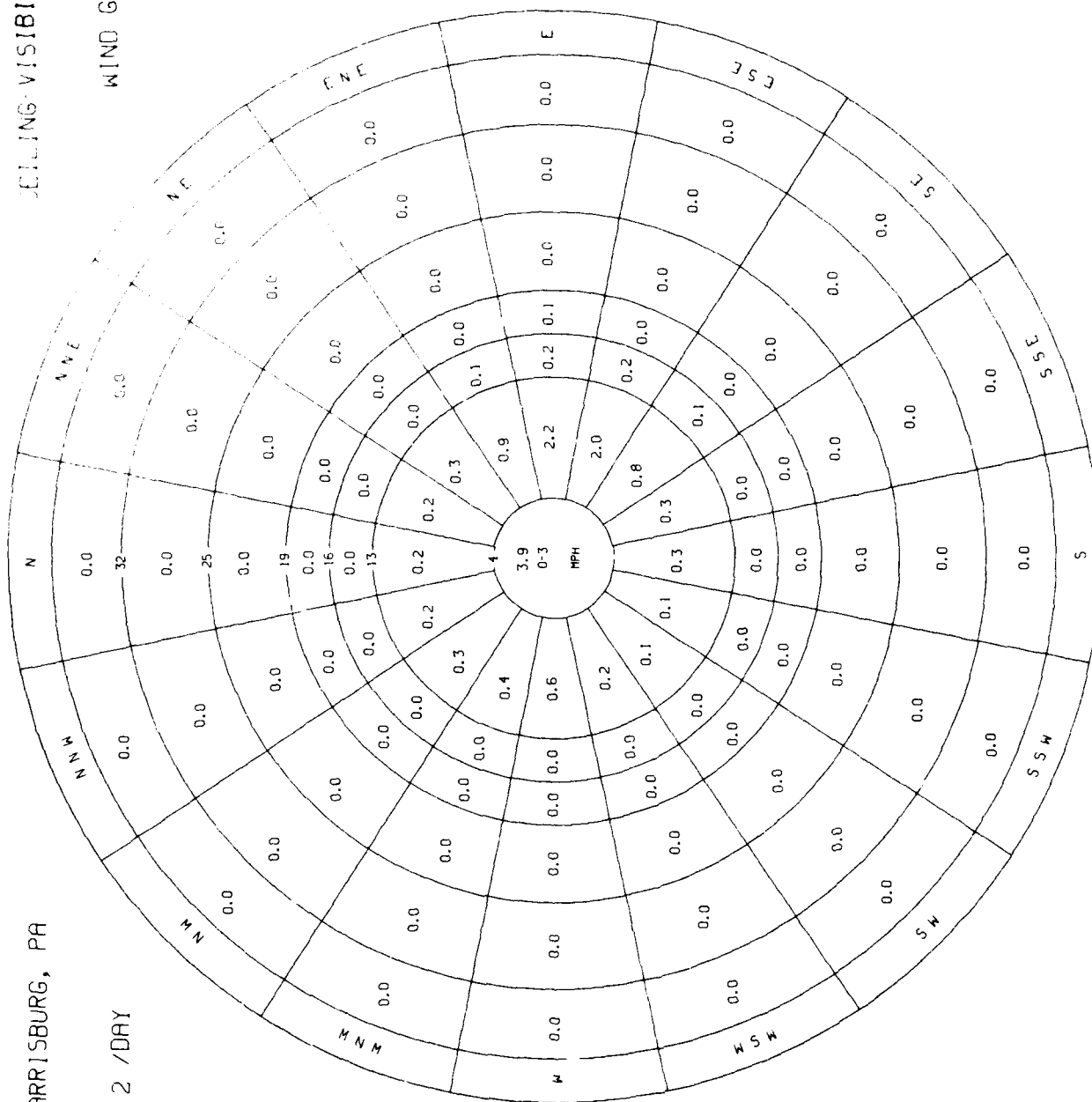
STATION NUMBER: 14751

NO. OBS.: 35074

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.5	2.1	2.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.9 3.4
NNE	.3	.3	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1 1.2
NE	.2	.2	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .8
ENE	.3	.4	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.7
E	.6	.7	3.0	3.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8 4.4
ESE	1.1	1.3	3.7	4.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.0 5.8
SE	1.0	1.1	2.9	3.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.1 4.8
SSE	.7	.8	1.9	2.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.0 3.4
S	1.0	1.2	1.8	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.6
SSW	.9	1.0	1.0	1.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.2 2.6
SW	1.7	2.0	1.8	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.6 4.2
WSW	2.2	2.6	5.9	6.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	8.5 9.8
W	2.3	2.7	11.3	13.1	1.2	1.4	.5	.6	.3	.3	.1	.1	.0	.0	15.7 18.2
WNW	1.3	1.5	5.7	6.6	2.0	2.3	1.5	1.7	.9	1.1	.3	.3	.0	.0	11.7 13.6
NW	.9	1.1	2.7	3.1	.8	1.0	.7	.8	.3	.4	.1	.1	.0	.0	5.6 6.4
NNW	.5	.6	1.8	2.1	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.9 3.4
CALM	11.1	12.8													11.1 12.8
TOTAL	26.7	30.9	47.9	55.4	6.1	7.1	3.5	4.0	1.8	2.0	.5	.6	.0	.1	86.5 100

CXY HARRISBURG, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14751

NO. OBS.: 7025

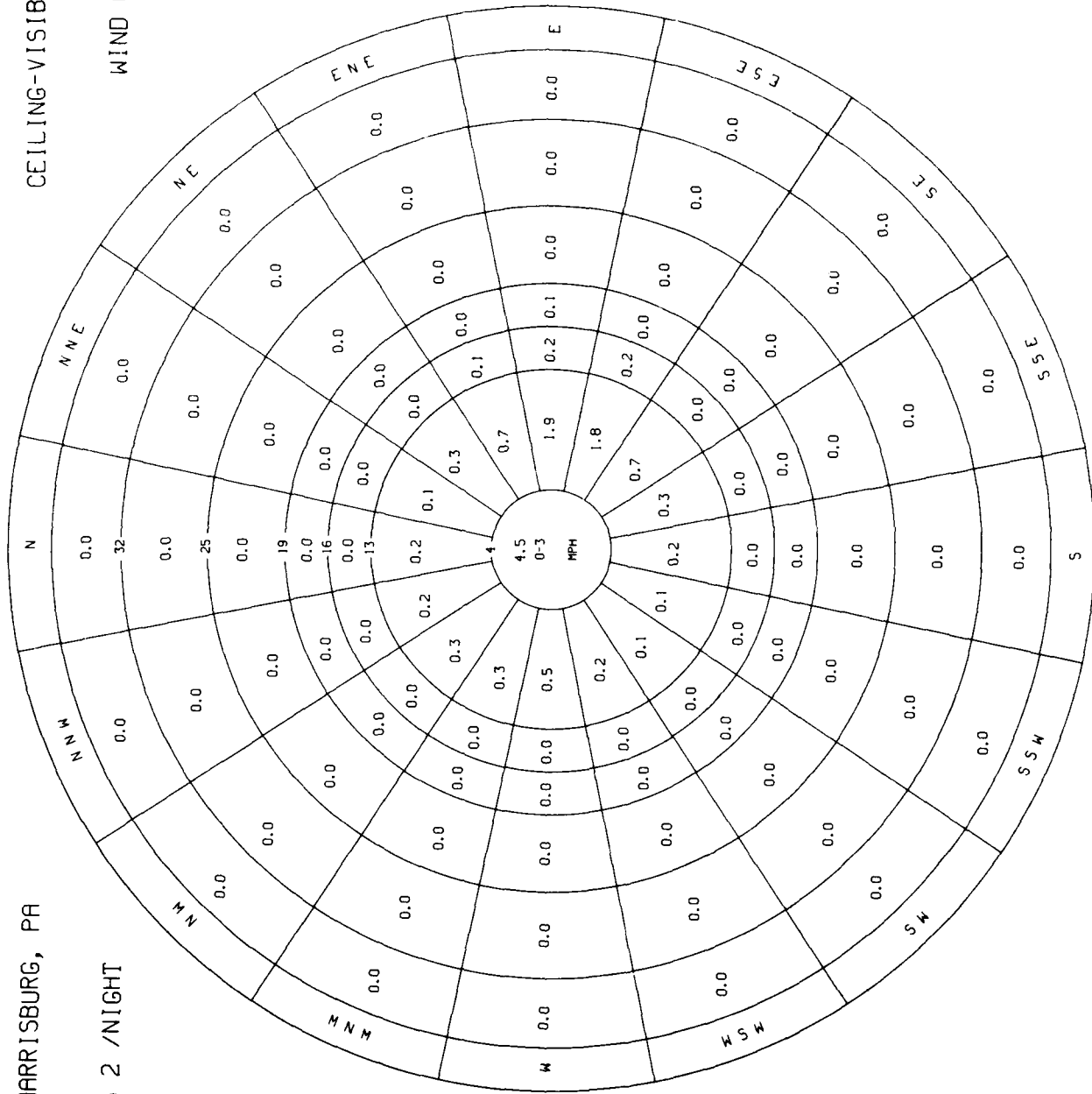
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	.6	.2	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.6	7.0
NNE	.1	.5	.2	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.0	7.1
NE	.1	.5	.3	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.6	7.1
ENE	.1	1.1	.9	6.3	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.1	8.1	7.6
E	.3	2.5	2.2	15.7	.2	1.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	2.8	20.0	7.6
ESE	.3	2.1	2.0	14.3	.2	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	17.8	7.5
SE	.2	1.5	.8	5.4	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.1	7.5	6.9
SSE	.1	.5	.3	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.0	7.3
S	.1	.6	.3	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.9	6.8
SSW	.0	.3	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.4	7.4
SW	.1	.7	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	6.0
WSW	.1	.7	.2	1.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.4	6.0
W	.2	1.4	.6	4.0	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	5.9	6.5
WNW	.1	.9	.4	2.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.6	4.1	7.1
NW	.1	.7	.3	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.1	7.1
NNW	.1	.8	.2	1.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.7	6.9
CALM	1.7	12.0														1.7	12.0	
TOTAL	3.9	27.5	9.1	64.6	7.7	5.3	3.3	1.8	.1	.6	.0	.1	.0	.1	14.0	100		6.4

CXY HARRISBURG, PA

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14751

NO. OBS.: 5472

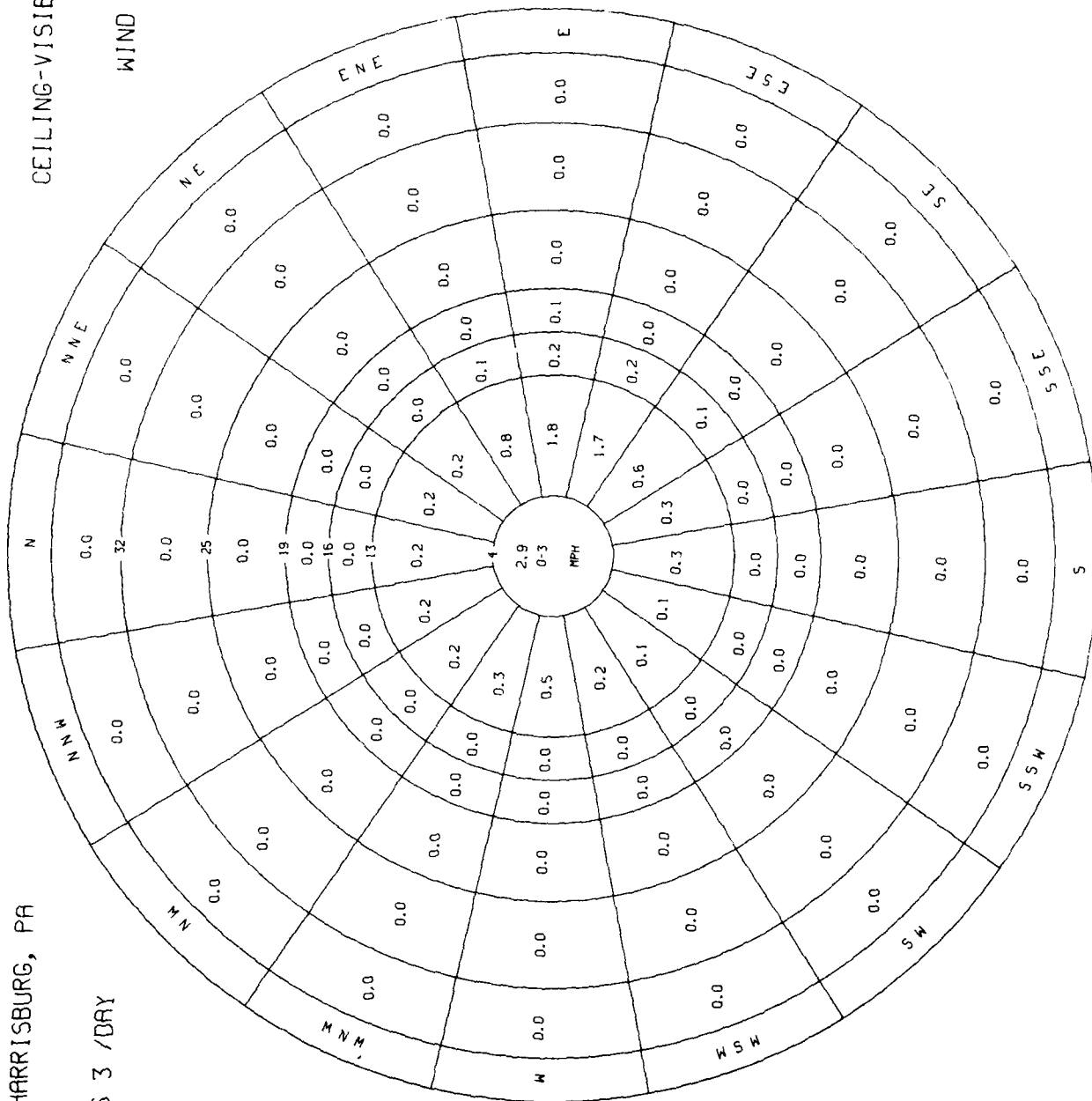
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.1	.5	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	6.5
NNE	.1	.4	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	6.7
NE	.1	.7	.3	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.9	6.4
ENE	.2	1.2	.7	5.5	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0	7.5	7.5
E	.3	2.5	1.9	14.1	.2	1.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	2.5	18.6	7.6
ESE	.3	2.5	1.8	13.5	.2	1.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	2.4	17.7	7.4
SE	.2	1.7	.7	5.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0	7.2	6.5
SSE	.1	1.1	.3	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.7	6.1
S	.1	.7	.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	5.6
SSW	.1	.7	.1	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	6.1
SW	.1	.9	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.8	4.8
WSW	.2	1.7	.2	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	4.8
W	.2	1.8	.5	4.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.2	5.9
WNW	.2	1.2	.3	2.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.7	6.2
NW	.1	.8	.3	2.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.1	6.7
NNW	.1	.8	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	6.4
CALM	1.9	14.4															1.9	14.4	
TOTAL	4.5	33.5	8.0	59.1	.7	4.8	.2	1.6	.1	.8	.0	.1	.0	.0	.0	.0	13.5	100	5.9

CXY HARRISBURG, PA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 3 / DAY

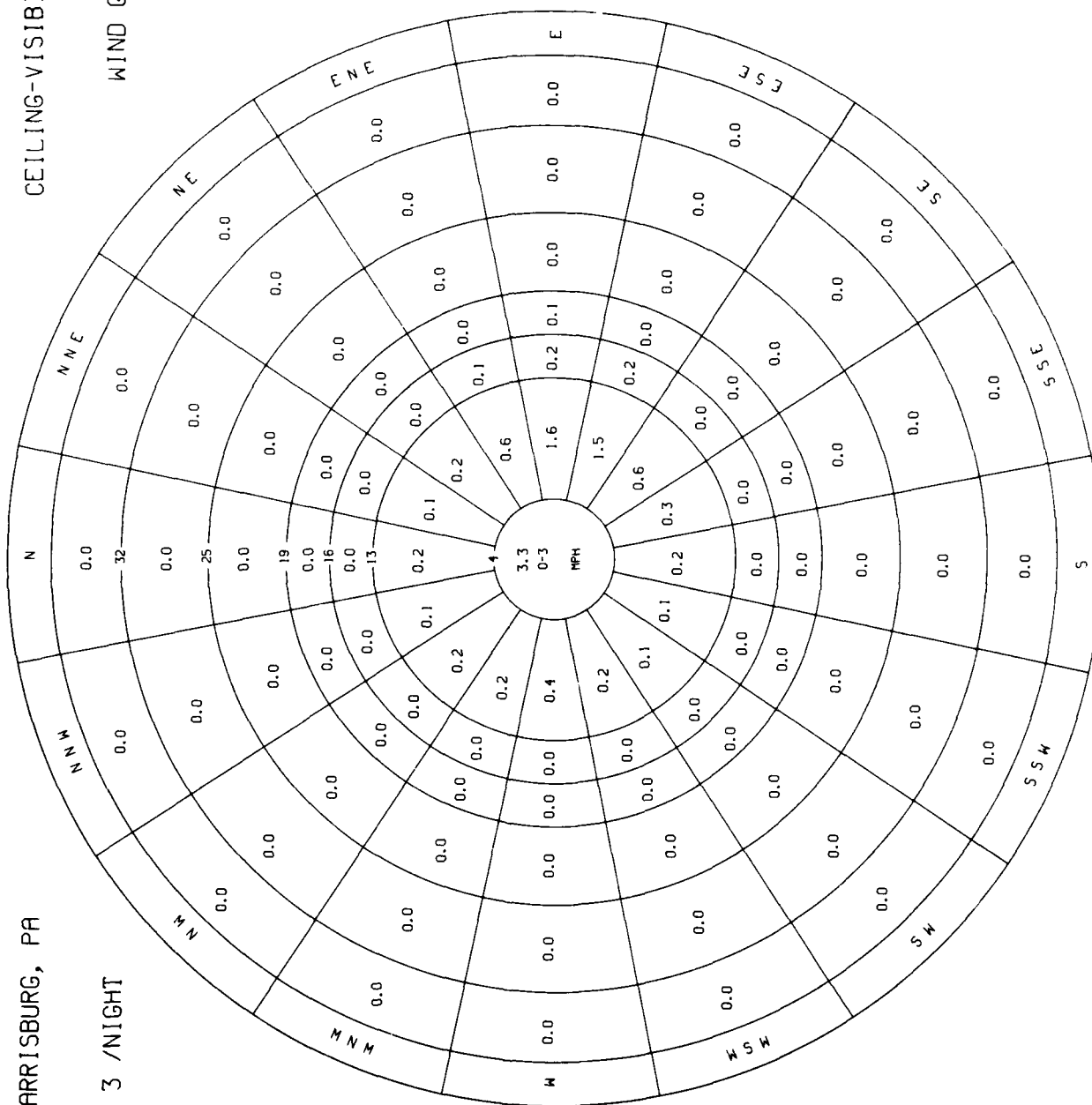
STATION NUMBER: 14751

NO. OBS.: 5797

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.2	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.5
NNE	.1	.5	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.0
NE	.1	.5	.2	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.7
ENE	.1	1.0	.8	6.6	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	1.0 8.4
E	.3	2.3	1.8	15.7	.2	1.4	.1	.4	.0	.1	.0	.0	.0	.0	2.3 20.0
ESE	.2	1.8	1.7	14.3	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.0	2.1 17.8
SE	.2	1.3	.6	5.6	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.9 7.6
SSE	.1	.5	.3	2.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.3
S	.1	.7	.3	2.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.4 3.4
SSW	.0	.2	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.5
SW	.1	.6	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.0
WSW	.1	.7	.2	1.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.5
W	.1	1.2	.5	4.0	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.7
WNW	.1	.9	.3	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5 4.2
NW	.1	.6	.2	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.1
NNW	.1	.7	.2	1.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.6
CALM	1.2	10.5													1.2 10.5
TOTAL	2.9	24.9	7.7	66.6	.7	5.8	.2	1.9	.1	.6	.0	.1	.0	.1	11.6 100
															6.6

CEILING-VISIBILITY

WIND GRAPH



CXY HARRISBURG, PA

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 3 / NIGHT

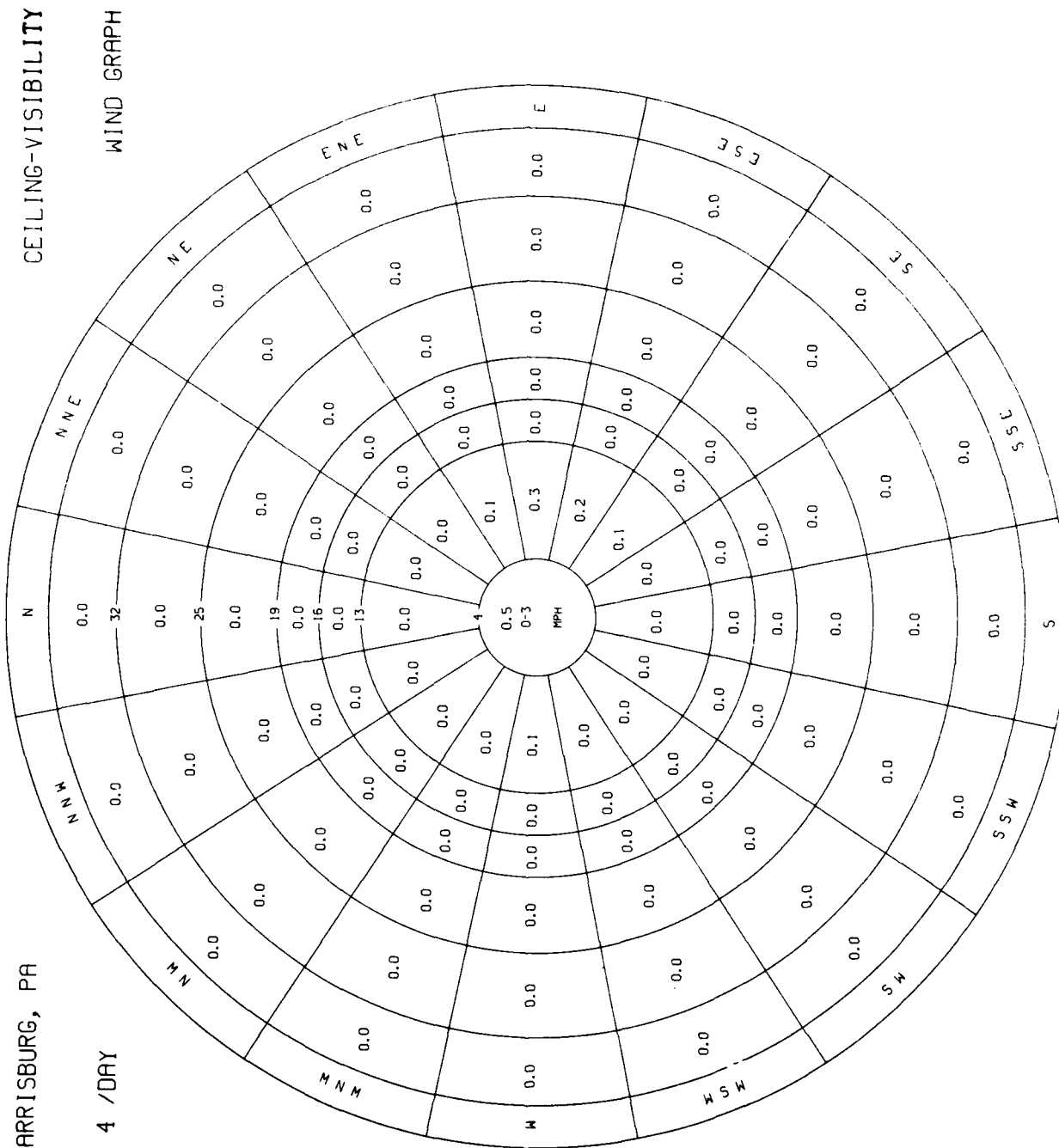
STATION NUMBER: 14751

NO. OBS.: 4344

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	.4	.2	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.1	6.7
NNE	.0	.4	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	6.6
NE	.1	.8	.2	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.1	6.4
ENE	.1	1.2	.6	5.6	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	7.8	7.9
E	.2	2.1	1.6	14.6	.2	1.7	.1	.5	.0	.2	.0	.0	.0	.0	.0	2.0	19.1	8.0
ESE	.3	2.4	1.5	14.1	.2	1.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	2.0	18.5	7.7
SE	.2	1.4	.6	5.4	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	7.5	7.0
SSE	.1	1.2	.3	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	4.1	6.4
S	.1	.6	.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	5.9
SSW	.1	.6	.1	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.7	6.6
SW	.1	.8	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.2
WSW	.2	1.5	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.1	4.9
W	.2	1.6	.4	3.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	5.6	6.0
WNW	.1	1.2	.2	2.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.4	3.8	6.4
NW	.1	.8	.2	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	3.0	6.6
NNW	.1	.8	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	2.0	6.2
CALM	1.4	13.2														1.4	13.2	
TOTAL	3.3	30.9	6.5	60.8	.6	5.3	.2	1.8	.1	1.0	.0	.1	.0	.0	.0	10.7	100	6.1

CXY HARRISBURG, PA

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1946-1978

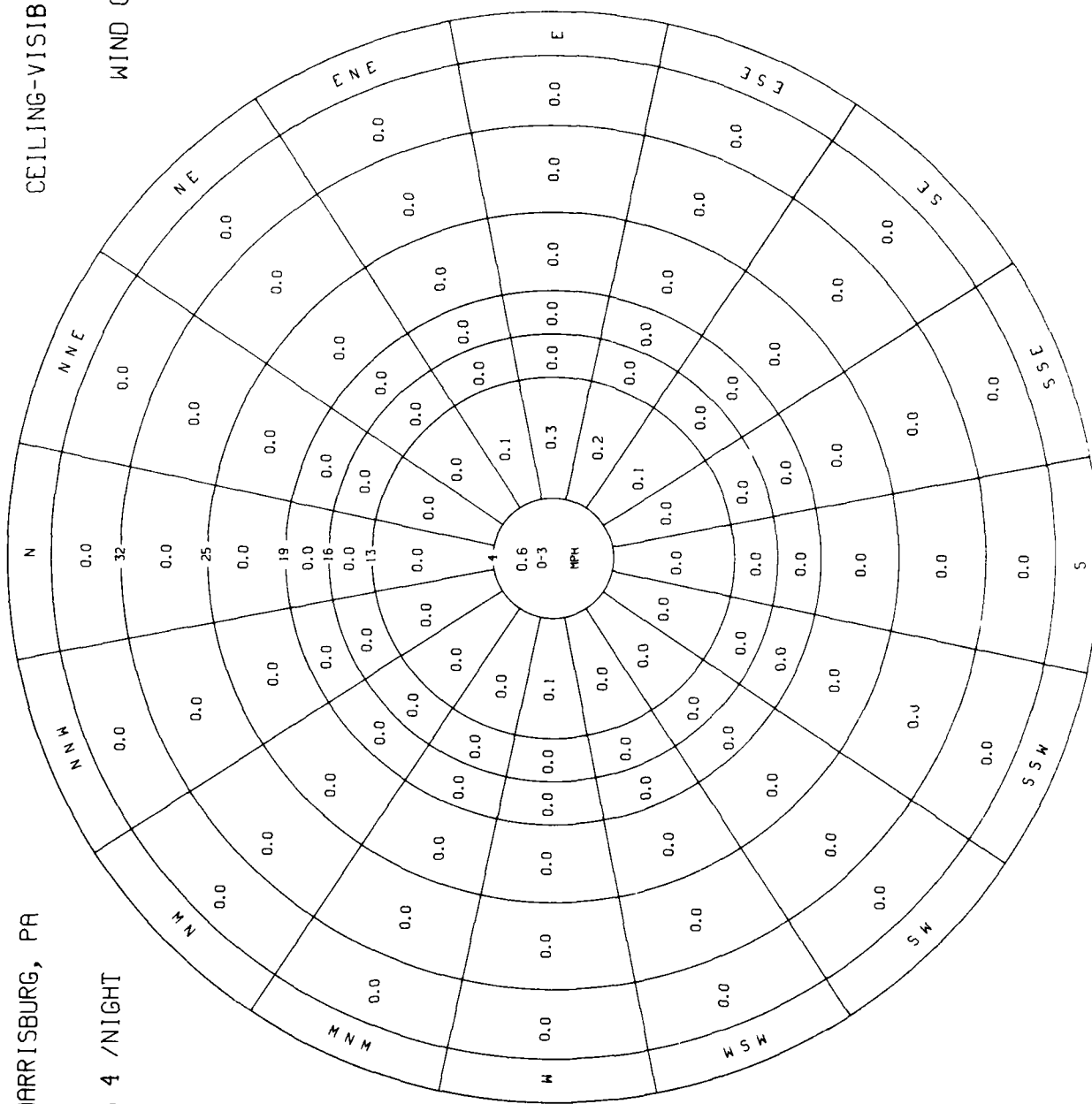
CLASS 4 / DAY

STATION NUMBER: 14751

NO. OBS.: 806

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.2	.0	2.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.9	2.9
NNE	.0	.5	.0	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9
NE	.0	.7	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.9
ENE	.0	1.5	.1	6.4	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	8.2	6.5
E	.0	2.4	.3	19.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	22.9	7.3
ESE	.0	2.9	.2	15.5	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	19.0	6.9
SE	.0	2.2	.1	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	5.2
SSE	.0	.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.1
S	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.7
SSW	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.9
SW	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	9.8
WSW	.0	.5	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.8
W	.0	1.4	.1	3.2	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.1	5.5	7.2
WNW	.0	1.0	.0	1.9	.0	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	3.5	7.5
NW	.0	.9	.0	1.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.9
NNW	.0	.7	.0	1.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.3
CALM	.3	16.4														.3	16.4	
TOTAL	.5	33.2	1.0	60.9	.1	3.4	.0	1.1	.0	.6	.0	.1	.0	.1	.0	.5	100	5.7

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

STATION NUMBER: 14751

NO.	OBS.:	696
-----	-------	-----

CLASS 4 / NIGHT

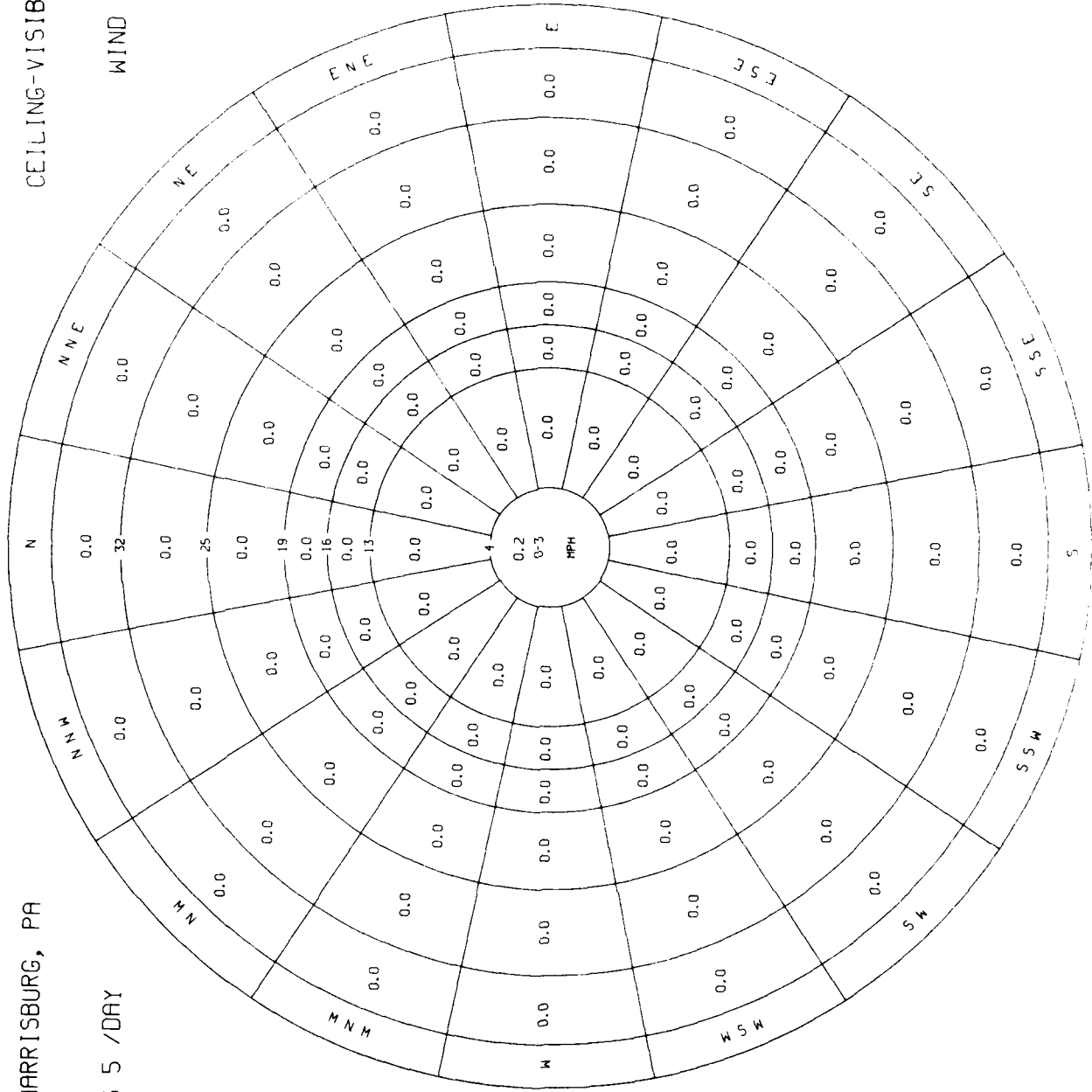
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C		D
N	.0	1.0	.0	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.3
NNE	.0	.4	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.3
NE	.0	.7	.0	1.4	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.4	6.7
ENE	.0	1.7	.1	7.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	9.8	6.4
E	.1	4.6	.3	15.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	20.5	6.5
ESE	.1	3.4	.2	12.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	17.0	6.5
SE	.0	2.0	.1	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	5.2
SSE	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.1
S	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.6
SSW	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.4
SW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.8
WSW	.0	1.6	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	3.3	4.8
W	.0	1.9	.1	4.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	7.2	6.5
WNW	.0	.9	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	5.7
NW	.0	.4	.0	1.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.6	8.3
NNW	.0	.7	.0	2.0	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	3.4	7.7
CALM	.2	13.2														.2	13.2	
TOTAL	.6	35.3	1.0	59.8	.1	3.6	.0	1.0	.0	.3	.0	.0	.0	.0	.0	1.7	100	6.5

CXY HARRISBURG, PA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CKY HARRISBURG, PA

PERIOD: 1946-1978

CLASS 5 / DAY

STATION NUMBER: 14751

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.5	2.1	.0	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	4.7	6.2
NNE	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	1.1	.0	.0	.0	.0	.0	4.2	9.7
NE	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.4
ENE	.0	1.6	.0	4.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	6.3	6.3
E	.0	4.7	.0	12.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	17.9	6.0
ESE	.0	3.2	.0	12.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	15.8	6.3
SE	.0	.5	.0	4.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	5.3	7.9
SSE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.0
S	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.0
SSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.0
SW	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0
WSW	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.4
W	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	4.7	4.8
WNW	.0	1.6	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.7	9.7
NW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.0
NNW	.0	1.6	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	4.7	7.9
CALM	1	17.9													1	17.9	
TOTAL	2	44.2	2	47.9	0	2.6	0	3.2	0	2.1	0	.0	0	.0	4	100	5.0

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)

JUN 81

DOT-FA79WAI-057

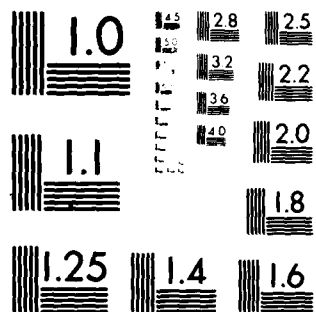
UNCLASSIFIED

ML

2 of 5

100

2 5
TCB 5



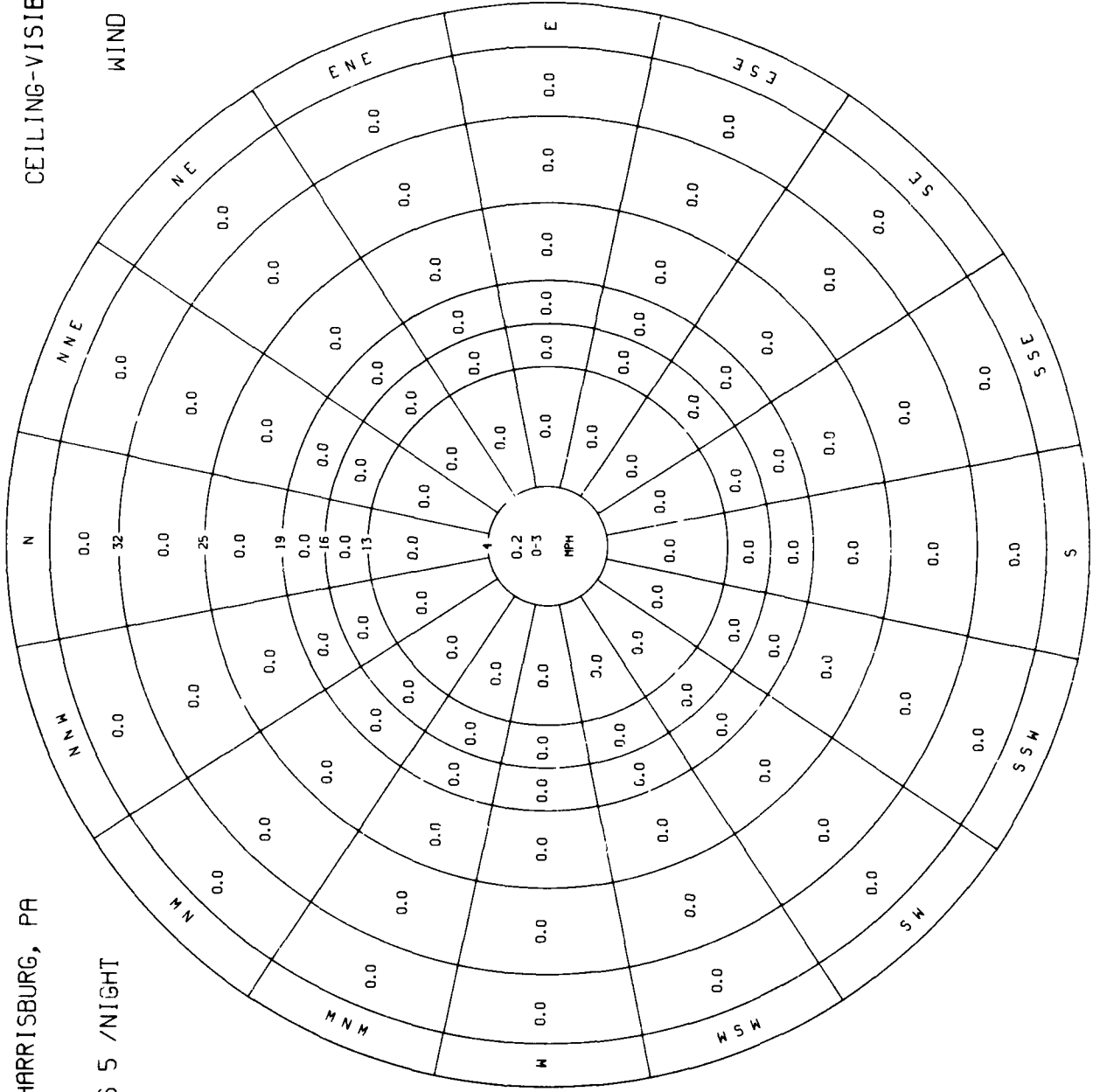
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CXY HARRISBURG, PA

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

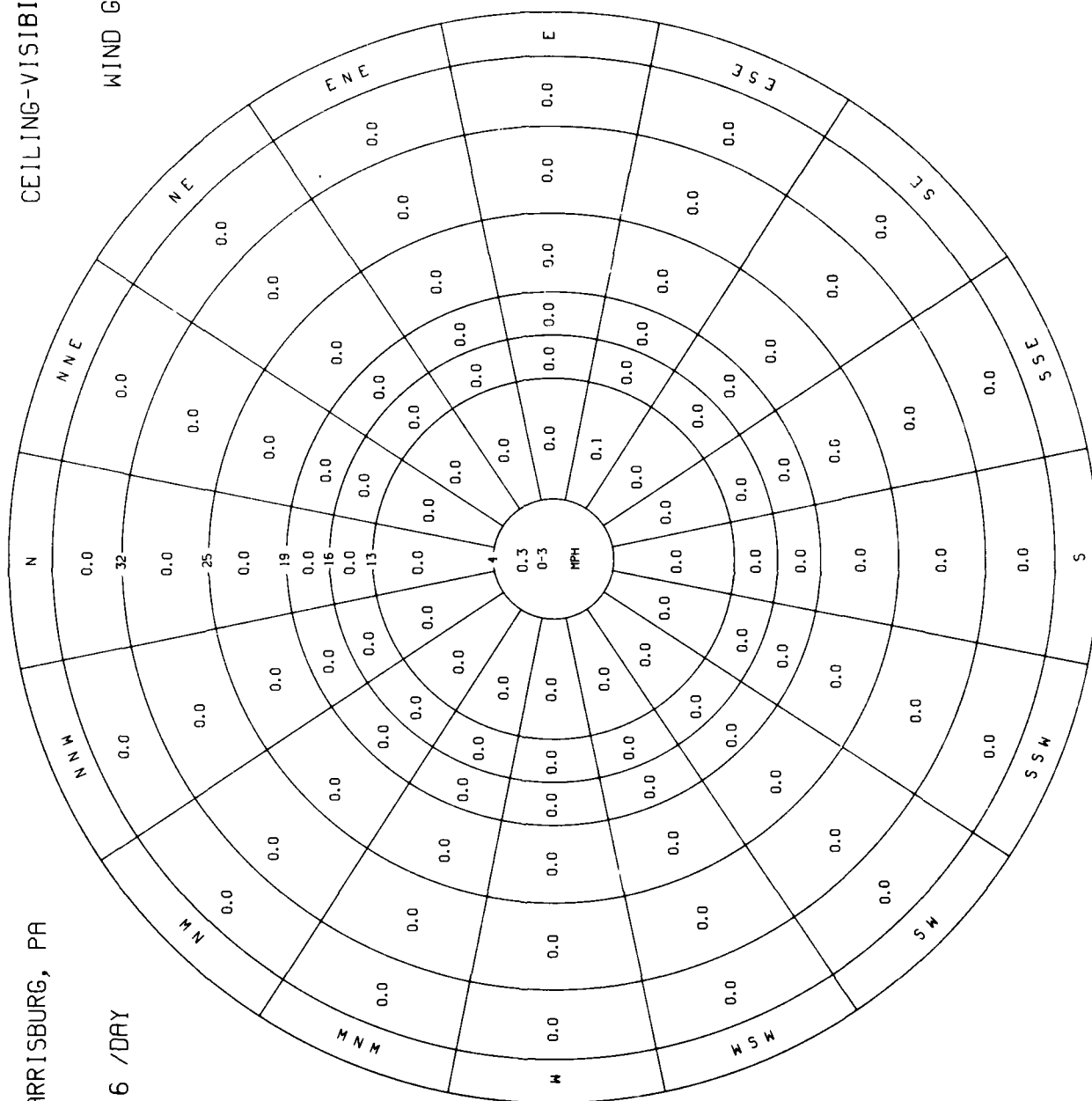
STATION NUMBER: 14751

NO. OBS.: 154

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.6
NNE	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6
NE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
ENE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
E	.0	1.9	.0	12.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.1	15.6
ESE	.0	1.9	.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0
SE	.0	1.9	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
SSE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
SW	.0	1.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
WSW	.0	3.2	.0	1.9	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	5.8
W	.0	3.9	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	6.5
WNW	.0	2.6	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
NW	.0	.6	.0	4.5	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	6.5
NNW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	3.2
CALM	.1	26.6												.1	26.6
TOTAL	.2	48.7	.2	45.5	.0	3.9	.0	.6	.0	1.3	.0	.0	.0	.4	100

CXY HARRISBURG, PA

CLASS 6 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 14751

NO. OBS.: 238

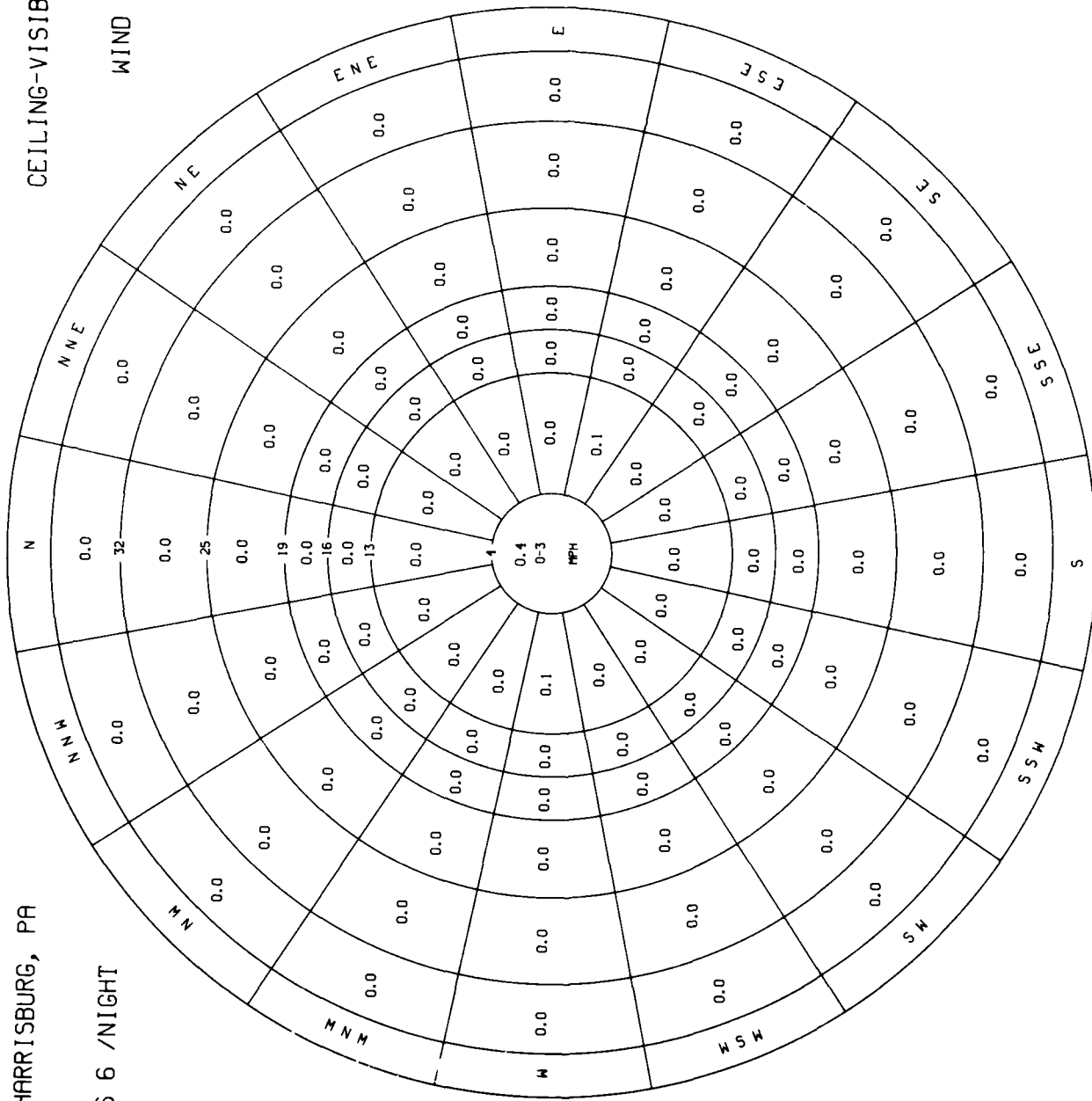
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
NNE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	1.3
NE	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.3
ENE	.0	.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
E	.0	5.9	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2
ESE	.0	5.0	.1	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.8
SE	.0	2.9	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6
SSE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
S	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
SSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
SW	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
WSW	.0	2.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
W	.0	5.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.2
WNW	.0	.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
NW	.0	1.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
NNW	.0	1.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.1
CALM	.1	28.6												.1	28.6
TOTAL	.3	58.8	.2	39.9	.0	.8	.0	.0	.0	.4	.0	.0	.0	.5	100
															3.4

CXY HARRISBURG, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14751

NO. OBS.: 278

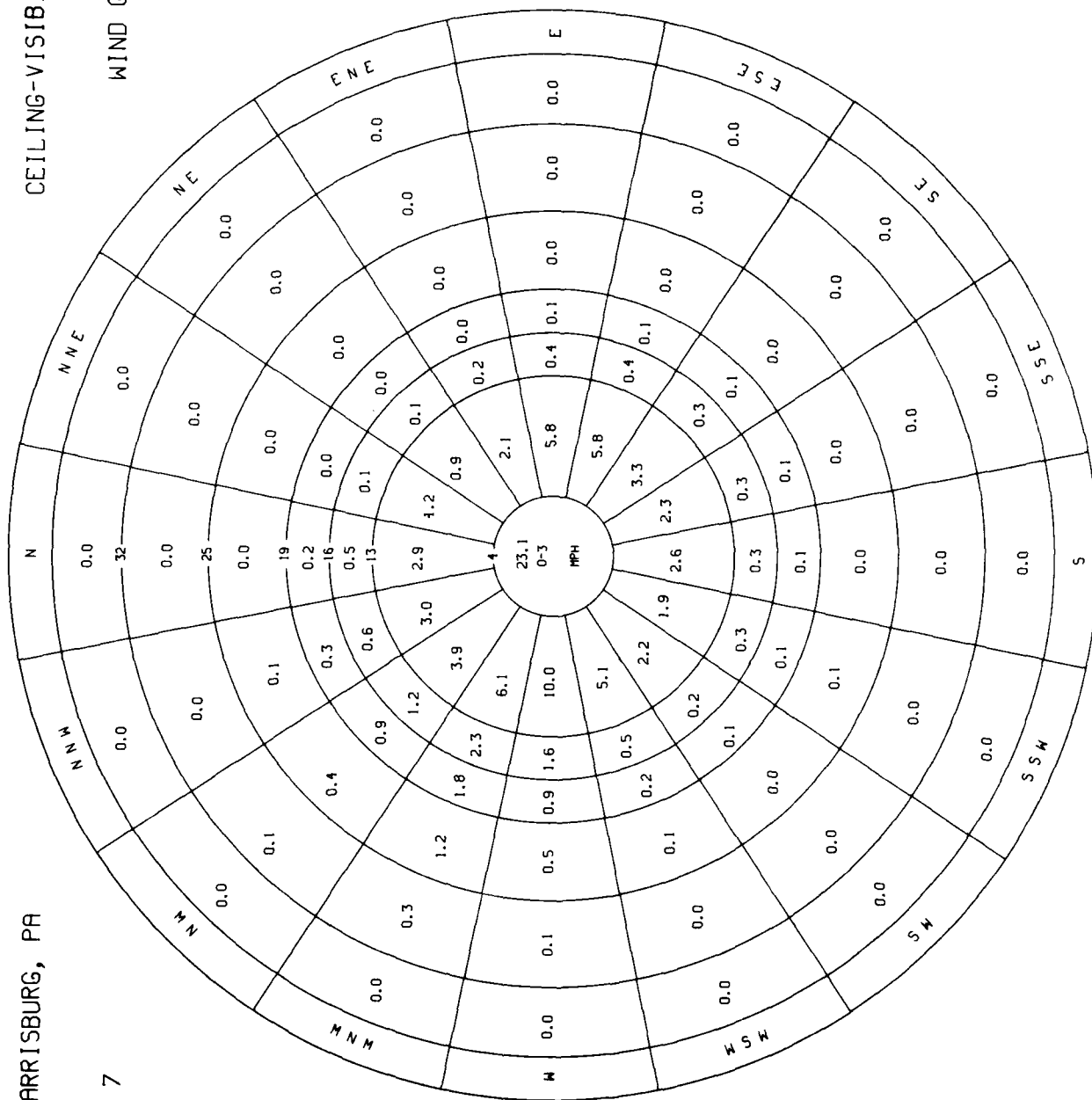
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NNE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NE	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
ENE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
E	.0	2.9	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.9
ESE	.0	2.5	.1	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.1
SE	.0	4.3	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
SSE	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
S	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSW	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
WSW	.0	4.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
W	.0	4.7	.1	7.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.6
WNW	.0	1.1	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
NW	.0	2.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
NNW	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.2	28.8													.2 28.8
TOTAL	.4	61.9	.3	37.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7 100
															3.1

CEILING-VISIBILITY

WIND GRAPH

CXY HARRISBURG, PA

CLASS 7



PHL PHILADELPHIA, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH

Direction	Frequency
N	32
NNE	0.0
NNE	0.0
NNW	0.0
NNW	0.0
Other Directions	0.0

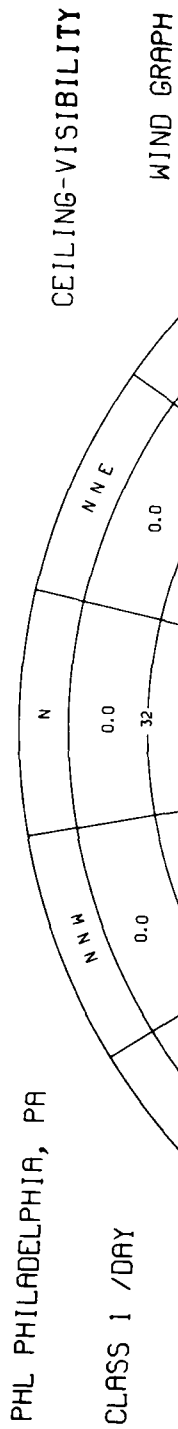
PHL PHILADELPHIA, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH

Direction	Frequency
N	32
NNE	0.0
NNE	0.0
NNW	0.0
NNW	0.0
Other Directions	0.0



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13739

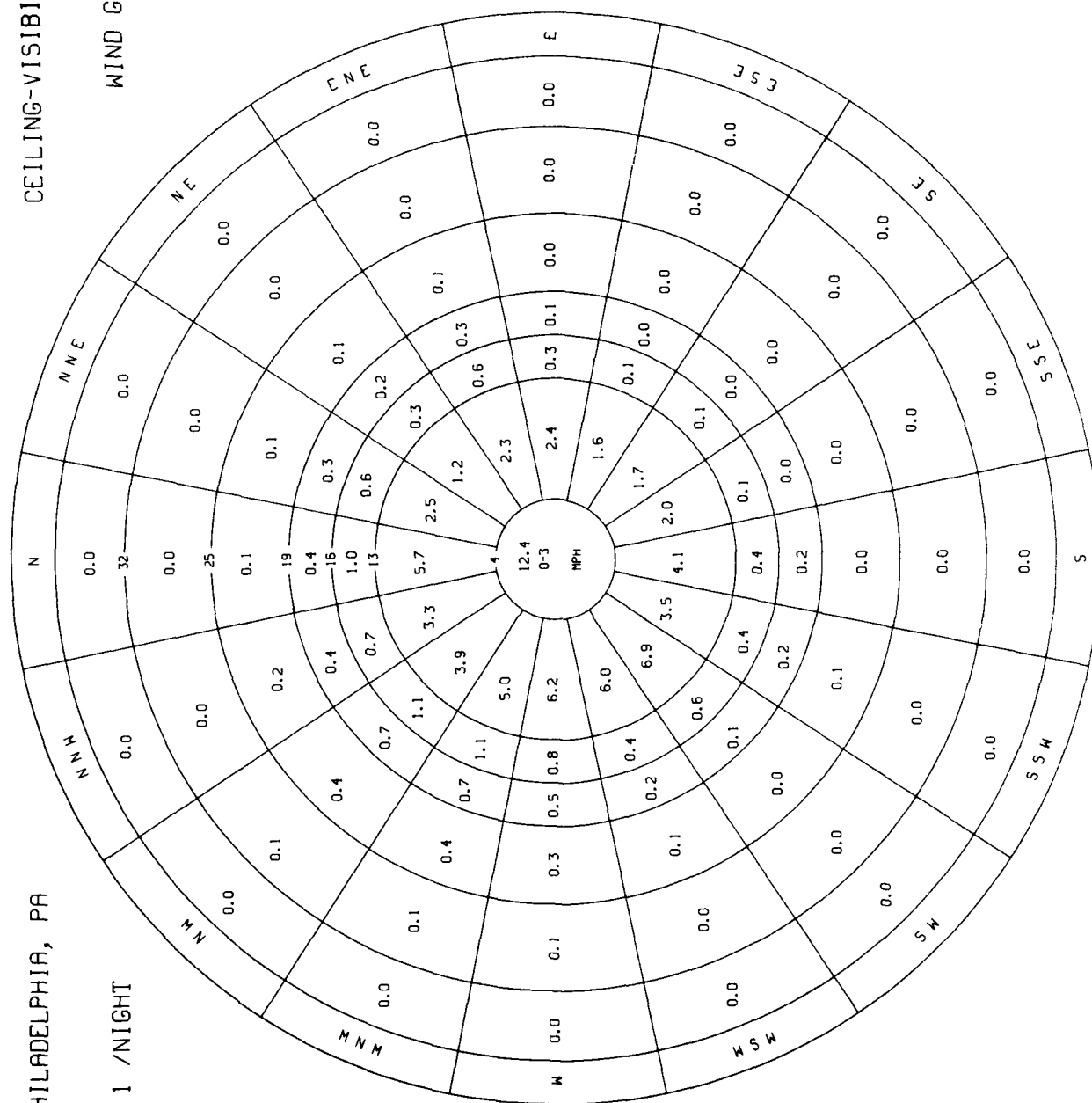
NO. OBS.: 42111

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	4.2	5.0	1.2	1.4	.7	.8	.2	.2	.0	.0	.0	.0	6.6 7.8
NNE	.1	.2	1.8	2.1	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	2.9 3.4
NE	.1	.1	1.0	1.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	1.8 2.1
ENE	.1	.1	2.0	2.3	.8	.9	.4	.4	.1	.2	.0	.0	.0	.0	3.4 4.0
E	.2	.2	2.5	3.0	.6	.7	.2	.3	.0	.1	.0	.0	.0	.0	3.6 4.2
ESE	.2	.3	2.0	2.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.5 2.9
SE	.3	.3	1.8	2.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.9
SSE	.3	.3	1.8	2.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.9
S	.3	.4	3.1	3.7	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	4.6 5.5
SSW	.2	.3	2.9	3.4	.9	1.1	.5	.5	.2	.2	.0	.0	.0	.0	4.7 5.6
SW	.3	.4	5.9	7.0	1.7	2.1	.8	.9	.3	.3	.0	.0	.0	.0	9.0 10.7
WSW	.3	.4	5.7	6.8	1.5	1.8	.7	.8	.2	.2	.0	.0	.0	.0	8.5 10.1
W	.4	.5	4.0	4.8	1.1	1.4	.8	1.0	.5	.6	.1	.2	.0	.0	7.1 8.4
WNW	.3	.3	3.8	4.5	1.6	1.9	1.6	1.8	1.1	1.3	.3	.3	.0	.1	8.6 10.2
NW	.2	.3	3.6	4.3	1.6	1.9	1.5	1.8	.9	1.1	.2	.2	.0	.0	8.1 9.6
NNW	.2	.2	3.3	4.0	1.3	1.6	1.2	1.4	.5	.6	.1	.1	.0	.0	6.6 7.8
CALM	1.5	1.8													1.5 1.8
TOTAL	5.4	6.4	49.3	58.6	14.8	17.6	9.3	11.1	4.4	5.2	.8	1.0	.1	.1	84.2 100

PHL PHILADELPHIA, PA

WIND GRAPH

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:PHL PHILADELPHIA, PA

PERIOD:1948-1978

CLASS 1 / NIGHT

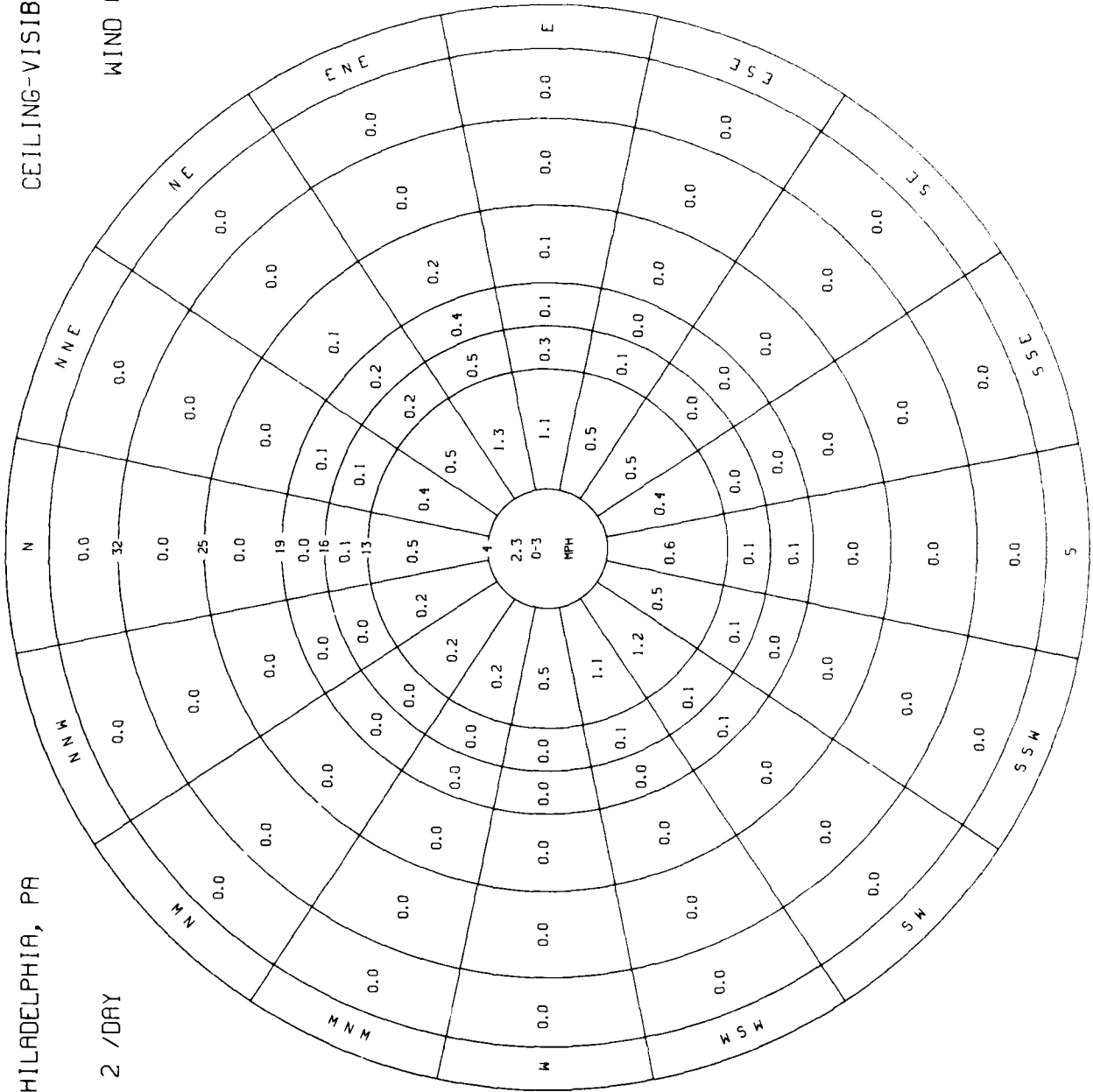
STATION NUMBER:13739

NO. OBS.: 34723

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.5	.6	5.7	6.6	1.0	1.2	.4	.5	.1	.1	.0	.0	.0	.0	7.8 9.1
NNE	.2	.3	2.5	2.9	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.6 4.2
NE	.2	.3	1.2	1.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0 2.3
ENE	.3	.3	2.3	2.7	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	3.6 4.2
E	.4	.4	2.4	2.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.7
ESE	.3	.4	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.4
SE	.4	.5	1.7	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.6
SSE	.5	.5	2.0	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.1
S	.8	1.0	4.1	4.8	.4	.4	.2	.2	.0	.1	.0	.0	.0	.0	5.5 6.4
SSW	.6	.7	3.5	4.1	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.9 5.7
SW	.7	.8	6.9	8.0	.6	.7	.1	.2	.0	.0	.0	.0	.0	.0	8.3 9.7
WSW	.8	1.0	6.0	7.1	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	7.5 8.7
W	.9	1.0	6.2	7.3	.8	.9	.5	.6	.3	.3	.1	.1	.0	.0	8.7 10.2
WNW	.6	.7	5.0	5.9	1.1	1.2	.7	.8	.4	.5	.1	.1	.0	.0	7.9 9.3
NW	.5	.6	3.9	4.5	1.1	1.3	.7	.8	.4	.4	.1	.1	.0	.0	6.6 7.7
NNW	.4	.5	3.3	3.9	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	5.1 6.0
CALM	4.1	4.8													4.1 4.8
TOTAL	12.4	14.4	58.3	68.0	8.3	9.7	4.4	5.1	1.9	2.3	.4	.4	.0	.0	85.6 100

CEILING-VISIBILITY

WIND GRAPH



PHL PHILADELPHIA, PA

CLASS 2 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 13739

NO. OBS.: 7920

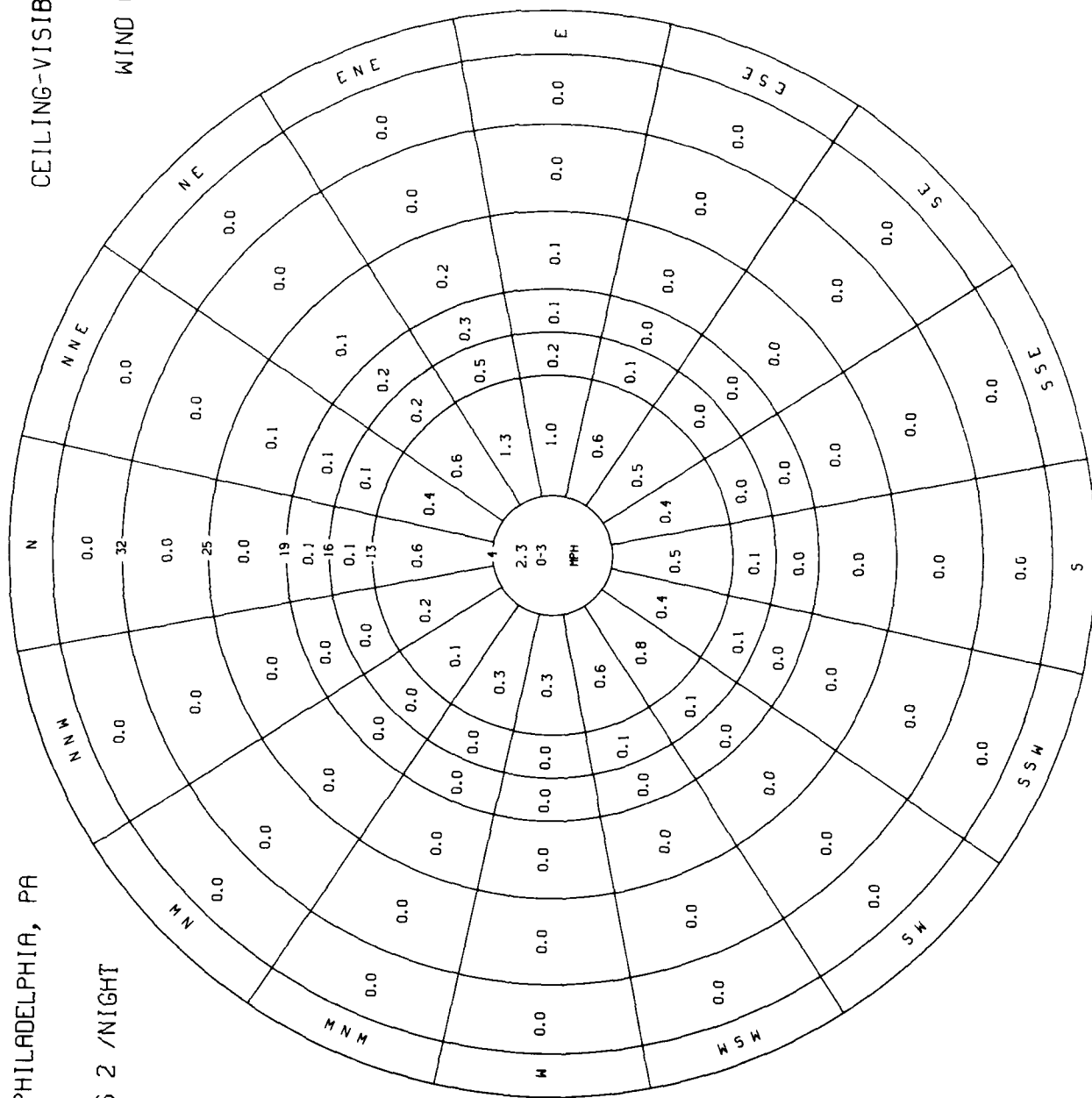
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.5	.5	3.2	.1	.6	.0	.3	.0	.2	.0	.1	.0	.0	.8	4.9	9.4
NNE	.0	.3	.4	2.4	.1	.7	.1	.4	.0	.3	.0	.2	.0	.0	.7	4.3	11.5
NE	.1	.4	.5	3.3	.2	1.1	.2	1.0	.1	.6	.0	.2	.0	.0	1.0	6.5	12.1
ENE	.1	.6	1.3	8.3	.5	3.4	.4	2.2	.2	1.4	.0	.3	.0	.1	2.6	16.4	12.4
E	.1	.7	1.1	6.9	.3	1.7	.1	.9	.1	.6	.0	.1	.0	.0	1.7	10.9	10.4
ESE	.1	.6	.5	3.5	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.8	5.0	8.4
SE	.1	.6	.5	3.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.7	4.4	8.0
SSE	.1	.7	.4	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.5	7.9
S	.1	.8	.6	3.5	.1	.4	.1	.3	.0	.2	.0	.1	.0	.0	.8	5.4	8.9
SSW	.1	.6	.5	3.1	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.7	4.4	8.6
SW	.1	.6	1.2	7.6	.1	.8	.1	.3	.0	.1	.0	.0	.0	.0	1.5	9.5	8.6
WSW	.2	1.0	1.1	7.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	1.4	9.0	8.0
W	.1	.7	.5	3.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0	7.0
WNW	.1	.6	.2	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.2	7.5
NW	.1	.4	.2	1.3	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.3	2.1	8.7
NNW	.1	.4	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.3	8.8
CALM	.8	5.2													.8	5.2	
TOTAL	2.3	14.6	9.7	61.5	1.8	11.4	1.1	6.9	.7	4.4	.2	1.0	.0	.2	15.8	100	9.2

PHL PHILADELPHIA, PA

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 5825

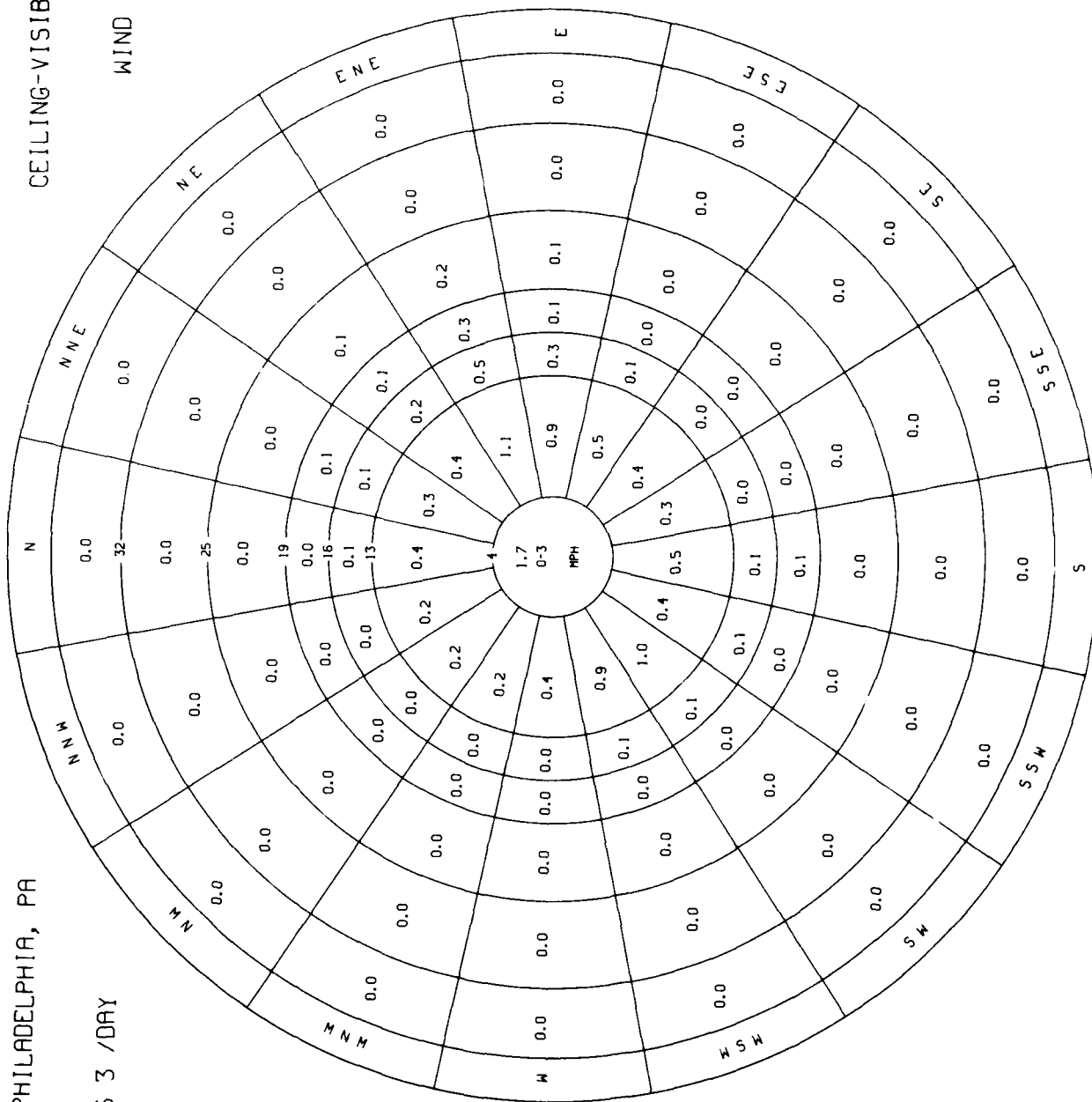
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.6	4.0	.1	.6	.1	.4	.0	.3	.0	.0	.0	.0	.8 5.8
NNE	.0	.3	.4	2.6	.1	.8	.1	.5	.1	.4	.0	.1	.0	.0	.7 4.7
NE	.0	.3	.6	3.8	.2	1.3	.2	1.1	.1	.9	.0	.1	.0	.0	1.1 7.5
ENE	.1	.7	1.3	9.2	.5	3.4	.3	2.4	.2	1.6	.0	.3	.0	.1	2.5 17.6
E	.1	.9	1.0	6.9	.2	1.7	.1	.7	.1	.4	.0	.1	.0	.0	1.6 10.8
ESE	.1	.5	.6	4.1	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.8 5.5
SE	.1	.7	.5	3.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6 4.5
SSE	.1	.5	.4	2.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.8
S	.1	.7	.5	3.4	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.7 5.2
SSW	.1	.5	.4	2.8	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.6 4.1
SW	.1	.9	.8	5.7	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.1 7.6
WSW	.1	.9	.6	4.2	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.8 5.8
W	.1	.9	.3	2.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.5
WNW	.1	.5	.3	1.9	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.4 2.7
NW	.1	.4	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.3 1.9
NNW	.1	.4	.2	1.6	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.4 2.5
CALM	.9	6.4													.9 6.4
TOTAL	2.3	16.1	8.6	59.6	1.6	11.5	1.0	7.0	.7	4.7	.1	.9	.0	.2	14.4 100

PHL PHILADELPHIA, PA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 13739

NO. OBS.: 6692

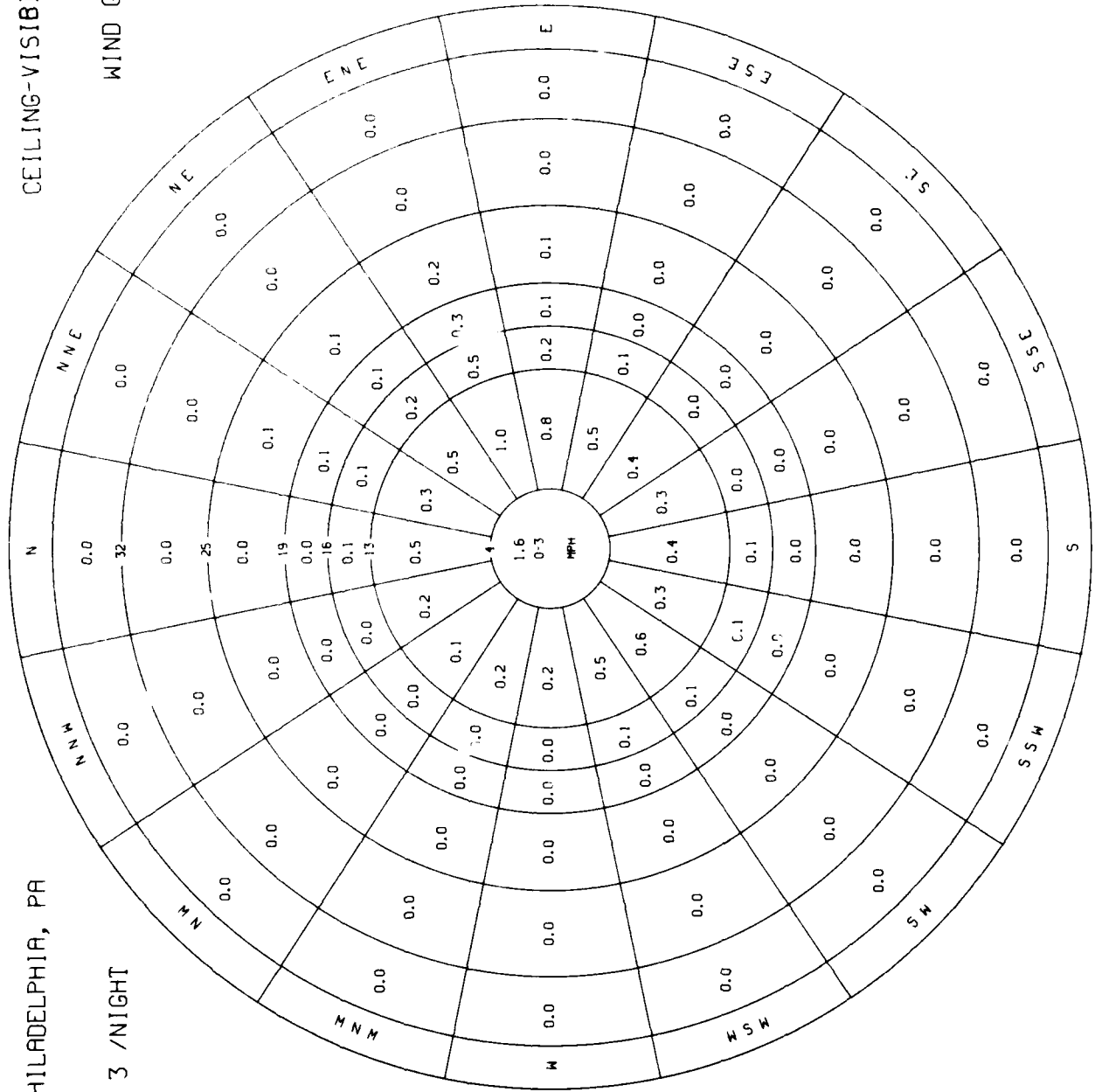
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.5	.4	3.2	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.7	4.9	9.5
NNE	.0	.3	.3	2.5	.1	.7	.1	.5	.0	.3	.0	.1	.0	.0	.6	4.4	11.3
NE	.1	.4	.4	3.1	.2	1.2	.1	1.0	.1	.7	.0	.1	.0	.0	.9	6.5	12.4
ENE	.1	.4	1.1	8.1	.5	3.7	.3	2.5	.2	1.5	.0	.4	.0	.1	2.2	16.7	12.8
E	.1	.6	.9	6.5	.3	1.9	.1	1.0	.1	.7	.0	.1	.0	.0	1.4	10.8	10.9
ESE	.1	.6	.5	3.5	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.7	5.0	8.7
SE	.1	.5	.4	3.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.6	4.4	8.2
SSE	.1	.6	.3	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	3.6	8.3
S	.1	.7	.5	3.6	.1	.5	.1	.4	.0	.3	.0	.1	.0	.0	.8	5.6	9.2
SSW	.1	.5	.4	3.0	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.4	9.0
SW	.1	.6	1.0	7.5	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	1.3	9.5	8.8
WSW	.1	.8	.9	7.1	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.2	8.9	8.1
W	.1	.7	.4	3.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.1	7.1
WNW	.1	.6	.2	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	7.6
NW	.0	.3	.2	1.4	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.1	8.9
NNW	.0	.3	.2	1.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.3	9.1
CALM	.6	4.6													.6	4.6	
TOTAL	1.7	13.0	8.2	61.1	1.6	12.3	1.0	7.7	.6	4.7	.1	1.0	.0	.2	13.4	100	9.5

CEILING-VISIBILITY

WIND GRAPH

PHL PHILADELPHIA, PA

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 4731

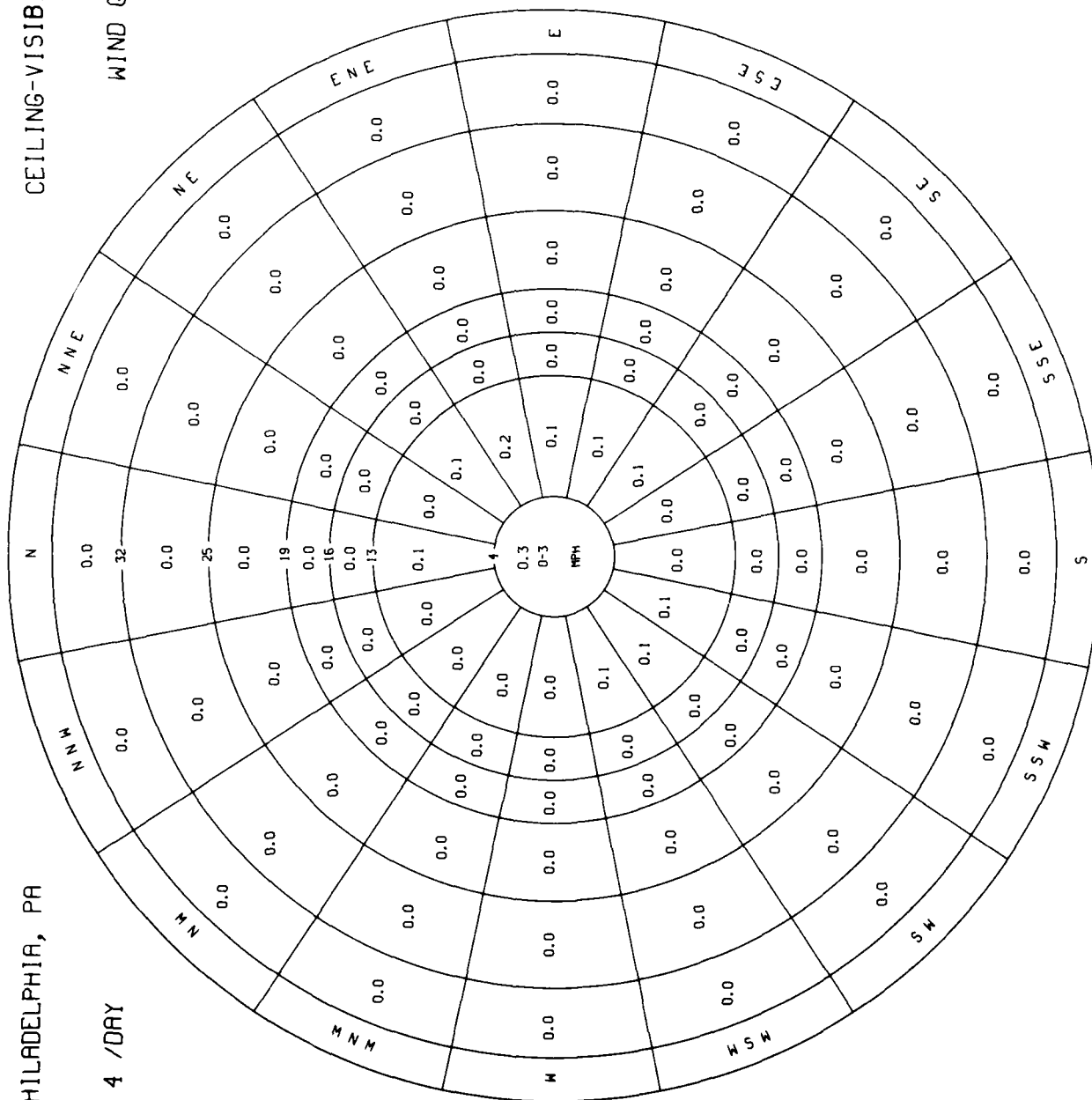
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.5	4.2	.1	.7	.0	.4	.0	.2	.0	.0	.0	.0	.7 6.0 9.4
NNE	.0	.2	.3	2.8	.1	1.0	.1	.6	.1	.4	.0	.0	.0	.0	.6 5.0 11.7
NE	.0	.3	.5	3.9	.2	1.5	.1	1.2	.1	1.0	.0	.1	.0	.0	.9 8.0 12.6
ENE	.1	.6	1.0	8.3	.5	3.9	.3	2.8	.2	1.9	.0	.3	.0	.1	2.1 17.9 12.9
E	.1	.8	.8	6.8	.2	2.0	.1	.8	.1	.5	.0	.1	.0	.0	1.3 11.1 10.5
ESE	.0	.4	.5	4.1	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.7 5.6 9.0
SE	.1	.6	.4	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.4 8.0
SSE	.1	.5	.3	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.9 7.9
S	.1	.6	.4	3.4	.1	.5	.0	.4	.0	.3	.0	.1	.0	.0	.6 5.3 9.5
SSW	.0	.4	.3	2.8	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.5 4.2 9.4
SW	.1	.7	.6	5.4	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.8 7.3 8.7
WSW	.1	.7	.5	4.3	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7 5.6 7.9
W	.1	.8	.2	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.1 6.8
WNW	.0	.4	.2	1.9	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.3 2.7 8.1
NW	.0	.4	.1	1.1	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.2 2.1 9.6
NNW	.0	.4	.2	1.7	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.7 9.0
CALM	.6	5.3													.6 5.3
TOTAL	1.6	13.6	5.9	58.8	1.5	13.1	.9	8.0	.6	5.3	.1	.9	.0	.3	11.7 100 9.6

CEILING-VISIBILITY

WIND GRAPH

PHL PHILADELPHIA, PA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 4 / DAY

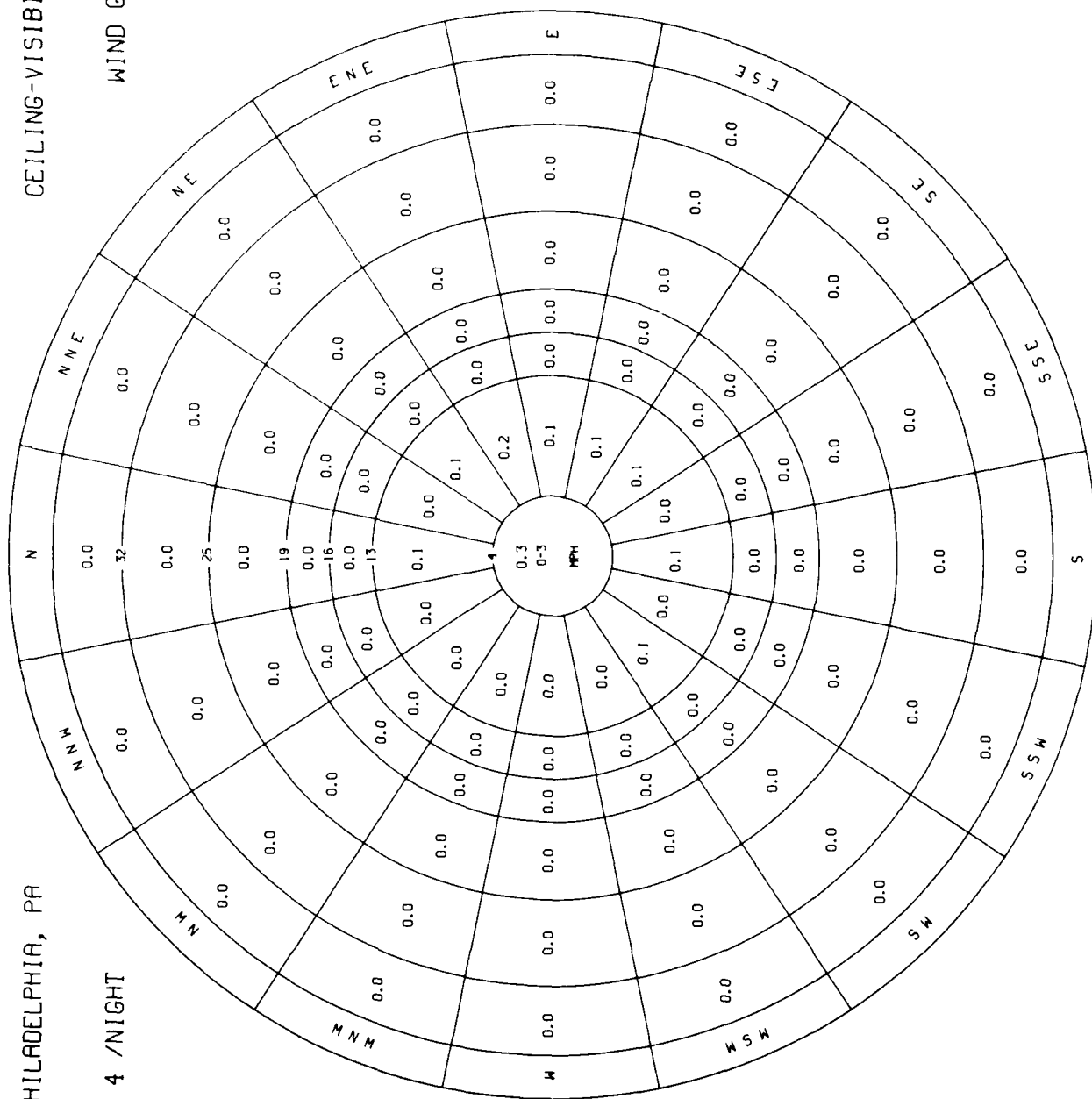
STATION NUMBER: 13739

NO. OBS.: 788

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.1	3.7	.0	.6	.0	.3	.0	.3	.0	.1	.0	.0	.1	5.3	9.7
NNE	.0	.4	.0	2.2	.0	.5	.0	.3	.0	.6	.0	.1	.0	.1	.1	4.2	12.4
NE	.0	.5	.1	4.9	.0	1.0	.0	.6	.0	.0	.0	.3	.0	.0	.1	7.4	10.4
ENE	.0	1.1	.2	10.4	.0	2.8	.0	.9	.0	.9	.0	.0	.0	.0	.3	16.1	10.3
E	.0	.9	.1	8.8	.0	1.0	.0	.5	.0	.1	.0	.0	.0	.0	.2	11.3	8.6
ESE	.0	.5	.1	3.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.5
SE	.0	.8	.1	3.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.8
SSE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
S	.0	1.0	.0	3.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.4	6.6
SSW	.0	1.3	.1	3.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.1	6.9
SW	.0	.9	.1	7.9	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.1	9.4	7.6
WSW	.0	1.9	.1	5.8	.0	.8	.0	.1	.0	.0	.0	.1	.0	.0	.1	8.8	7.2
W	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	2.9	6.6
WNW	.0	.3	.0	1.5	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.3	8.9
NW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	1.6	10.7
NNW	.0	.5	.0	2.2	.0	.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	3.0	7.9
CALM	.1	6.1													.1	6.1	
TOTAL	.3	18.4	1.0	65.7	.1	9.0	.0	2.9	.0	2.9	.0	.9	.0	.1	1.6	100	8.1

CEILING-VISIBILITY

WIND GRAPH



PHL PHILADELPHIA, PA

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 639

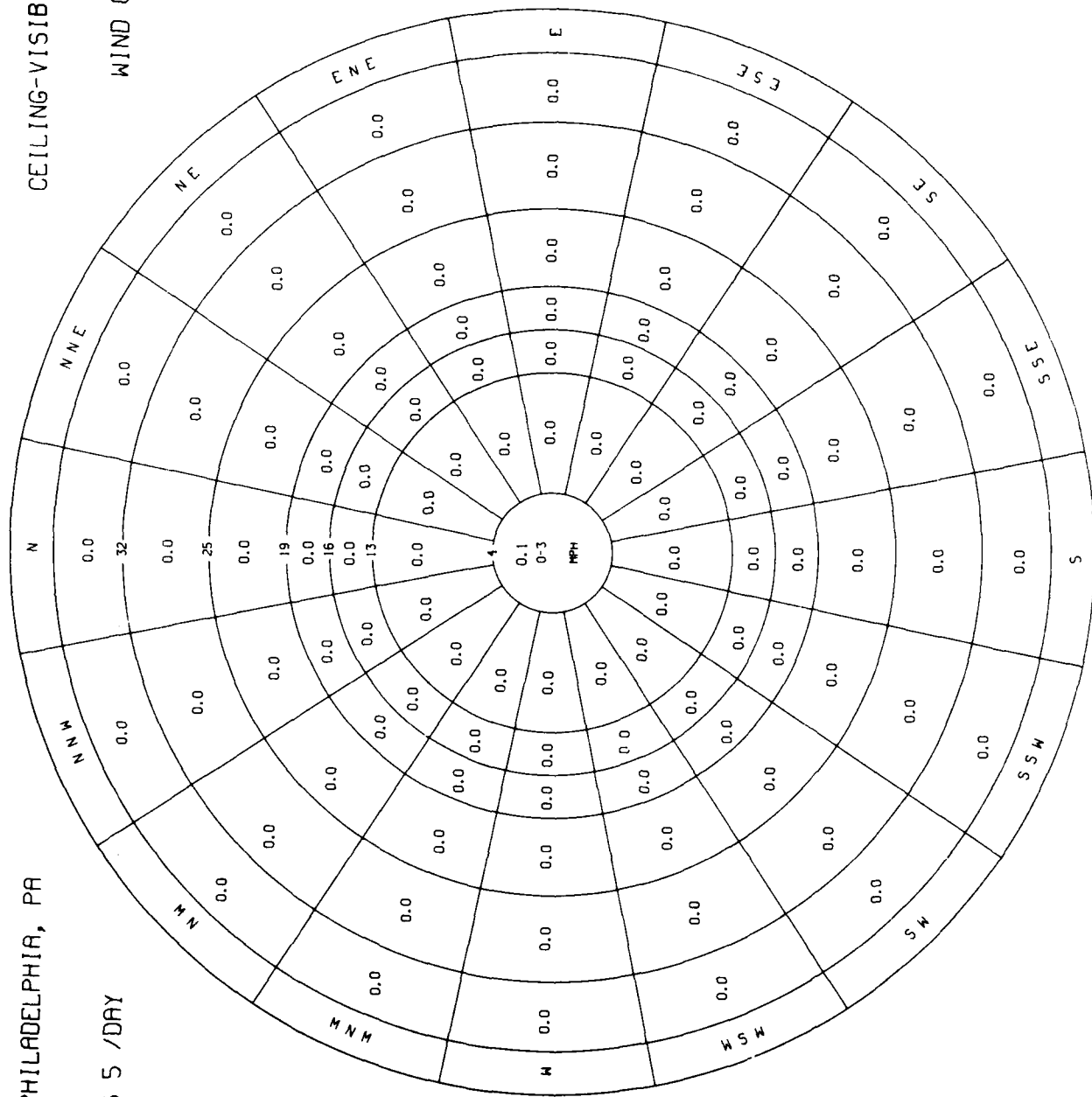
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.1	3.6	.0	.2	.0	.6	.0	.3	.0	.0	.0	.0	.1 5.8
NNE	.0	.3	.0	2.2	.0	.5	.0	.3	.0	.2	.0	.5	.0	.0	.1 3.9
NNE	.0	.2	.1	4.5	.0	.8	.0	.9	.0	.9	.0	.0	.0	.0	.1 7.4
ENE	.0	.6	.2	14.1	.0	1.7	.0	1.1	.0	.8	.0	.3	.0	.0	.3 18.6
E	.0	1.6	.1	8.6	.0	1.1	.0	.5	.0	.3	.0	.0	.0	.0	.2 12.1
ESE	.0	.8	.1	3.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.9
SE	.0	.8	.1	3.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.5
SSE	.0	.5	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
S	.0	1.1	.1	4.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.8
SSW	.0	.8	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.9
SW	.0	.8	.1	6.3	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1 7.8
WSW	.0	.8	.0	2.8	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.2
W	.0	.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
WNW	.0	.5	.0	1.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 2.0
NW	.0	.3	.0	1.1	.0	.0	.0	.2	.0	.2	.0	.2	.0	.0	.0 1.9
NNW	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0 2.0
CALM	.1	8.6													.1 8.6
TOTAL	.3	19.9	1.0	65.9	.1	5.9	.1	4.4	.0	2.7	.0	1.3	.0	.0	1.6 100
															7.7

PHL PHILADELPHIA, PA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 5 / DAY

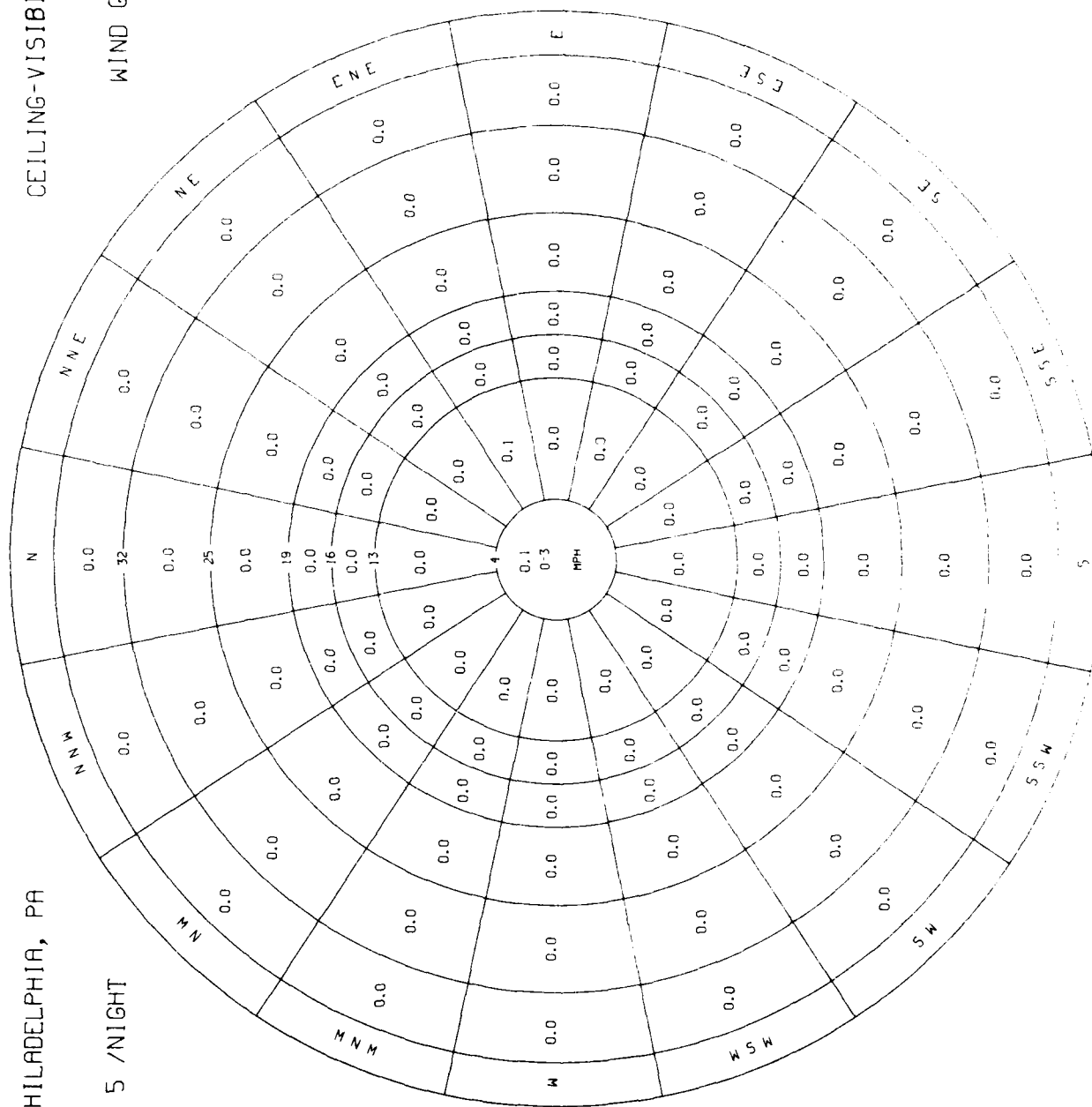
STATION NUMBER:13739

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.5	.0	3.6	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 6.1
NNE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0 3.1
NE	.0	.5	.0	4.6	.0	.5	.0	.5	.0	1.5	.0	.5	.0	.0	.0 8.2
ENE	.0	1.5	.0	8.2	.0	1.5	.0	1.5	.0	2.0	.0	.0	.0	.5	.1 15.3
E	.0	1.5	.0	12.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.8
ESE	.0	1.5	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
SE	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
SSE	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
S	.0	.0	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SSW	.0	1.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
SW	.0	.5	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.2
WSW	.0	.5	.0	7.7	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0 9.7
W	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
WNW	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
CALM	.0	4.6													.0 4.6
TOTAL	.1	17.9	.3	67.9	.0	3.6	.0	3.6	.0	4.6	.0	2.0	.0	.5	.4 100
															8.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 200

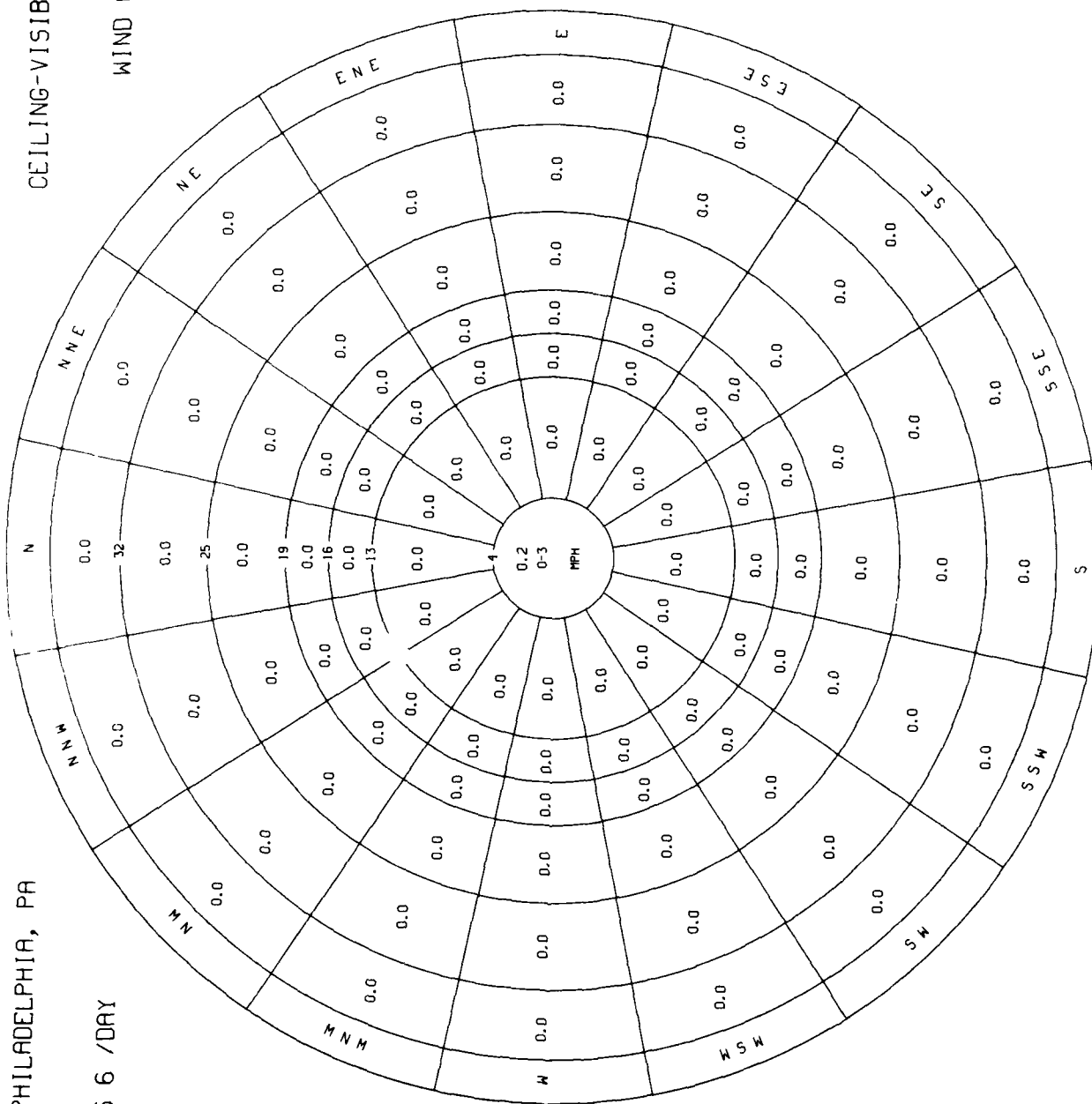
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.0	3.0	.0	.0	.0	.5	.0	1.5	.0	.0	.0	.0	.0 5.5
NNE	.0	1.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
N E	.0	.5	.0	2.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0 4.0
ENE	.0	1.5	.1	11.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1 13.5
E	.0	1.5	.0	7.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.5
ESE	.0	1.5	.0	6.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 8.0
SE	.0	1.5	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
SSE	.0	1.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
S	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
SSW	.0	.5	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5
SW	.0	2.5	.0	5.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.0
WSW	.0	2.5	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
W	.0	2.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
WNW	.0	2.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0 35.0
NNW	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
CALM	.0	8.0													.0 8.0
TOTAL	.1	28.5	.3	64.5	.0	3.0	.0	1.0	.0	2.0	.0	.5	.0	.5	.5 100
															6.6

PHL PHILADELPHIA, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 13739

NO. OBS.: 244

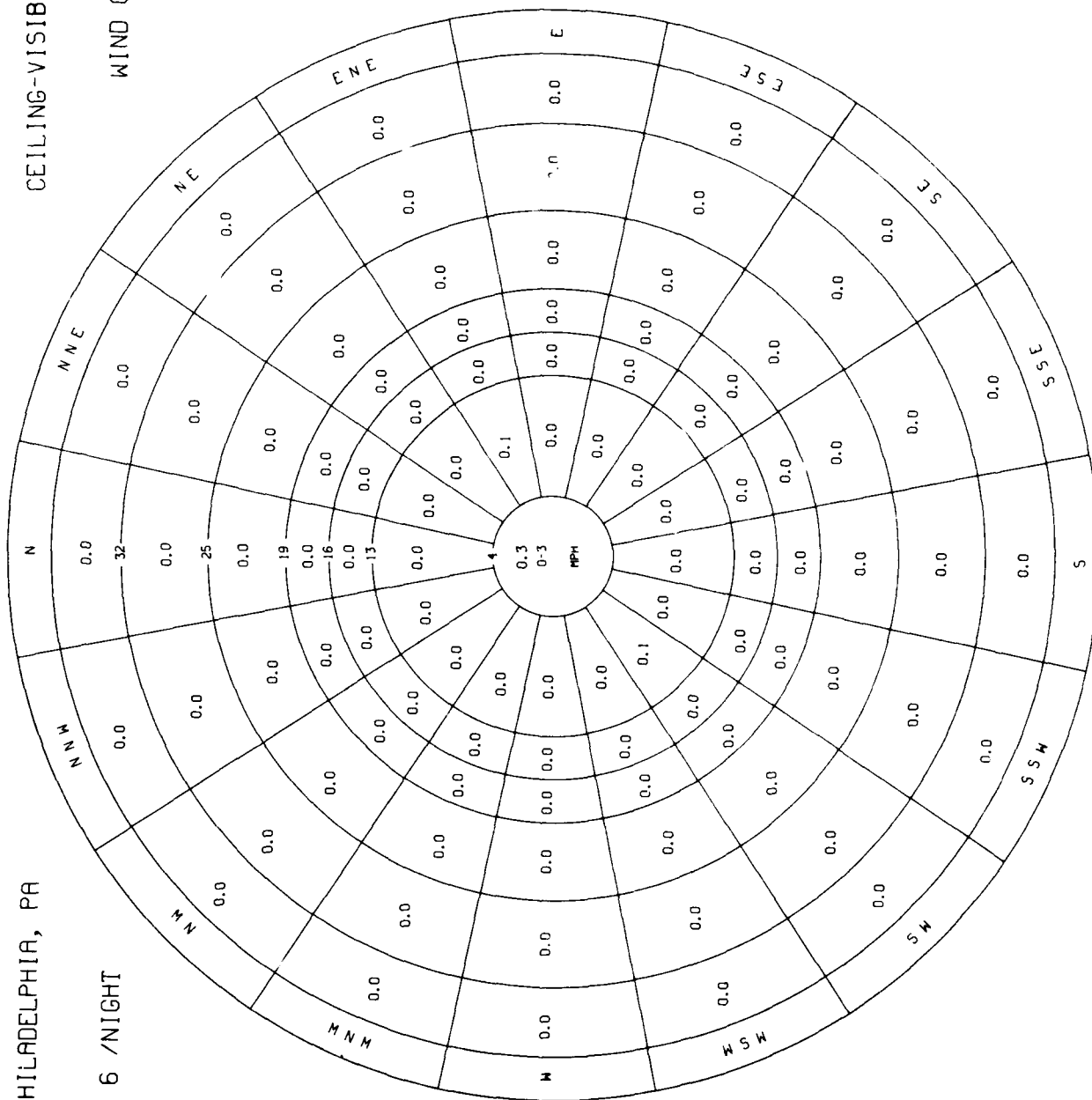
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
NNE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 1.6
NE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0 2.9
ENE	.0	.8	.0	8.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.4
E	.0	1.6	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.0
ESE	.0	2.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
SE	.0	1.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SSE	.0	.8	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	1.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SSW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
SW	.0	1.2	.0	8.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 10.2
WSW	.0	3.7	.0	9.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1 13.1
W	.0	2.9	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
WNW	.0	2.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
NW	.0	3.3	.0	1.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 4.9
NNW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
CALM	.1	18.0													.1 18.0
TOTAL	.2	43.9	.3	53.3	.0	.4	.0	.8	.0	1.6	.0	.0	.0	.0	.5 100

PHL PHILADELPHIA, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 255

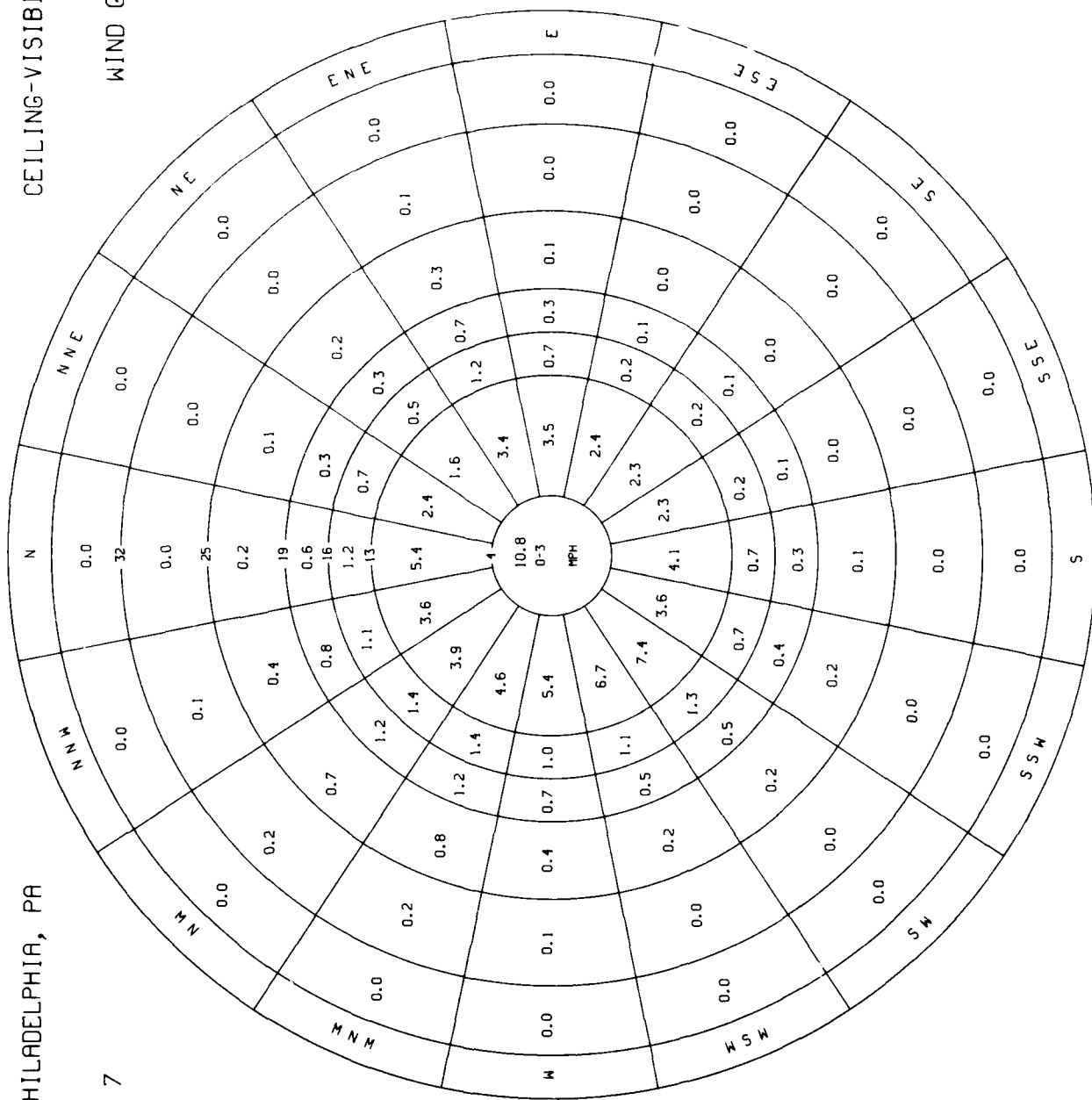
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.3
NNE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
NE	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.8
ENE	.0	1.2	.1	10.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.8	6.8
E	.0	1.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.0
ESE	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	4.7
SE	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.7
SSE	.0	1.6	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.6
S	.0	1.6	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.3
SSW	.0	.4	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.2
SW	.0	2.4	.1	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.2	6.5
WSW	.0	3.9	.0	7.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.4	6.2
W	.0	2.7	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.4	5.4
WNW	.0	1.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.9
NW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
NNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.0
CALM	.1	19.6													.1	19.6	
TOTAL	.3	43.1	.3	54.9	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	100	4.7

CEILING-VISIBILITY

WIND GRAPH

PHL PHILADELPHIA, PA

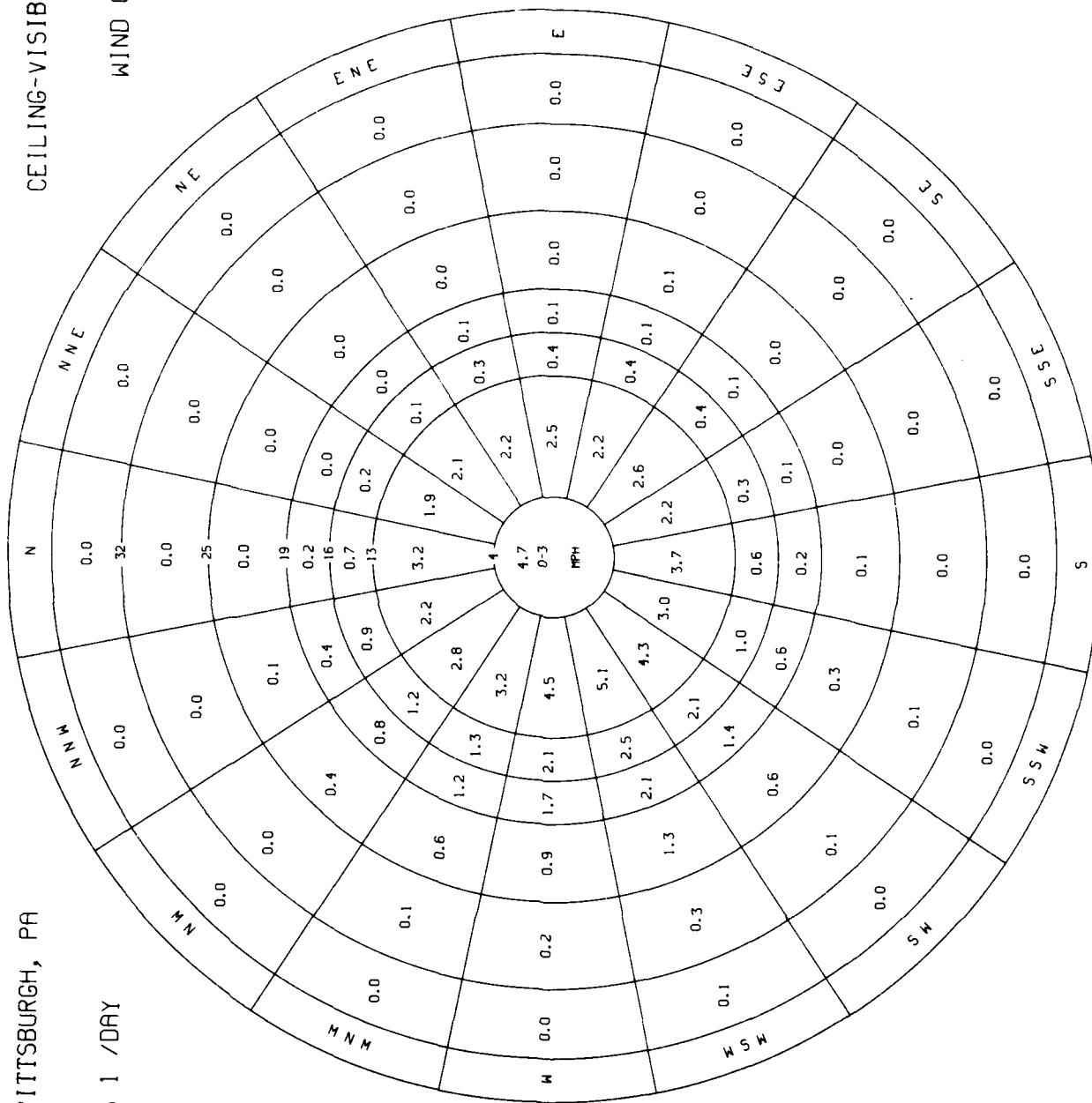
CLASS 7



CEILING-VISIBILITY

CLASS 1 / DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 1 / DAY

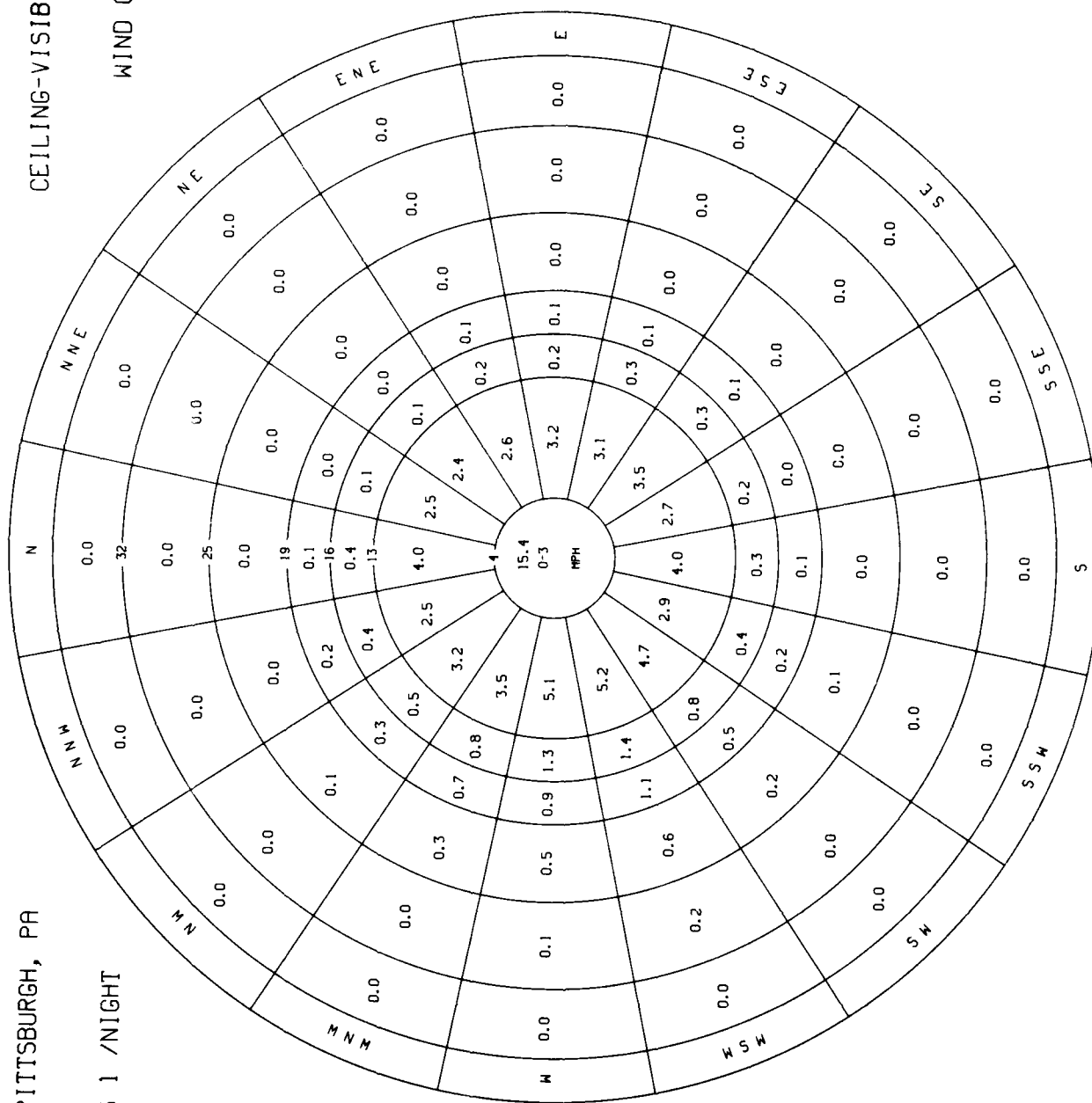
STATION NUMBER: 94823

NO. OBS.: 32777

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.1	3.2	3.9	.7	.8	.2	.3	.0	.0	.0	.0	.0	.0	4.2	5.2	9.7
NNE	.1	.2	1.9	2.4	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.3	2.8	8.4
NE	.1	.1	2.1	2.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.9	7.9
ENE	.1	.1	2.2	2.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.3	8.8
E	.2	.3	2.5	3.1	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.3	4.0	8.6
ESE	.2	.2	2.2	2.7	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	2.9	3.6	9.1
SE	.2	.3	2.6	3.2	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.4	4.1	8.7
SSE	.2	.2	2.2	2.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.5	8.7
S	.3	.3	3.7	4.5	.6	.8	.2	.3	.1	.1	.0	.0	.0	.0	4.9	6.0	9.1
SSW	.1	.1	3.0	3.7	1.0	1.2	.6	.8	.3	.3	.1	.1	.0	.0	5.1	6.3	11.4
SW	.2	.2	4.3	5.2	2.1	2.5	1.4	1.7	.6	.8	.1	.2	.0	.0	8.6	10.6	12.5
WSW	.2	.2	5.1	6.3	2.5	3.1	2.1	2.6	1.3	1.5	.3	.4	.1	.1	11.6	14.2	13.5
W	.1	.2	4.5	5.5	2.1	2.6	1.7	2.1	.9	1.1	.2	.2	.0	.1	9.5	11.7	12.8
WNW	.1	.1	3.2	3.9	1.3	1.6	1.2	1.4	.6	.7	.1	.1	.0	.0	6.4	7.9	12.6
NW	.1	.1	2.8	3.4	1.2	1.4	.8	.9	.4	.4	.0	.0	.0	.0	5.2	6.4	12.0
NNW	.1	.1	2.2	2.7	.9	1.1	.4	.5	.1	.1	.0	.0	.0	.0	3.7	4.5	11.2
CALM	2.3	2.8													2.3	2.8	
TOTAL	4.7	5.8	47.6	58.5	14.4	17.8	9.3	11.4	4.3	5.3	.8	1.0	.1	.2	81.2	100	10.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 1 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 30199

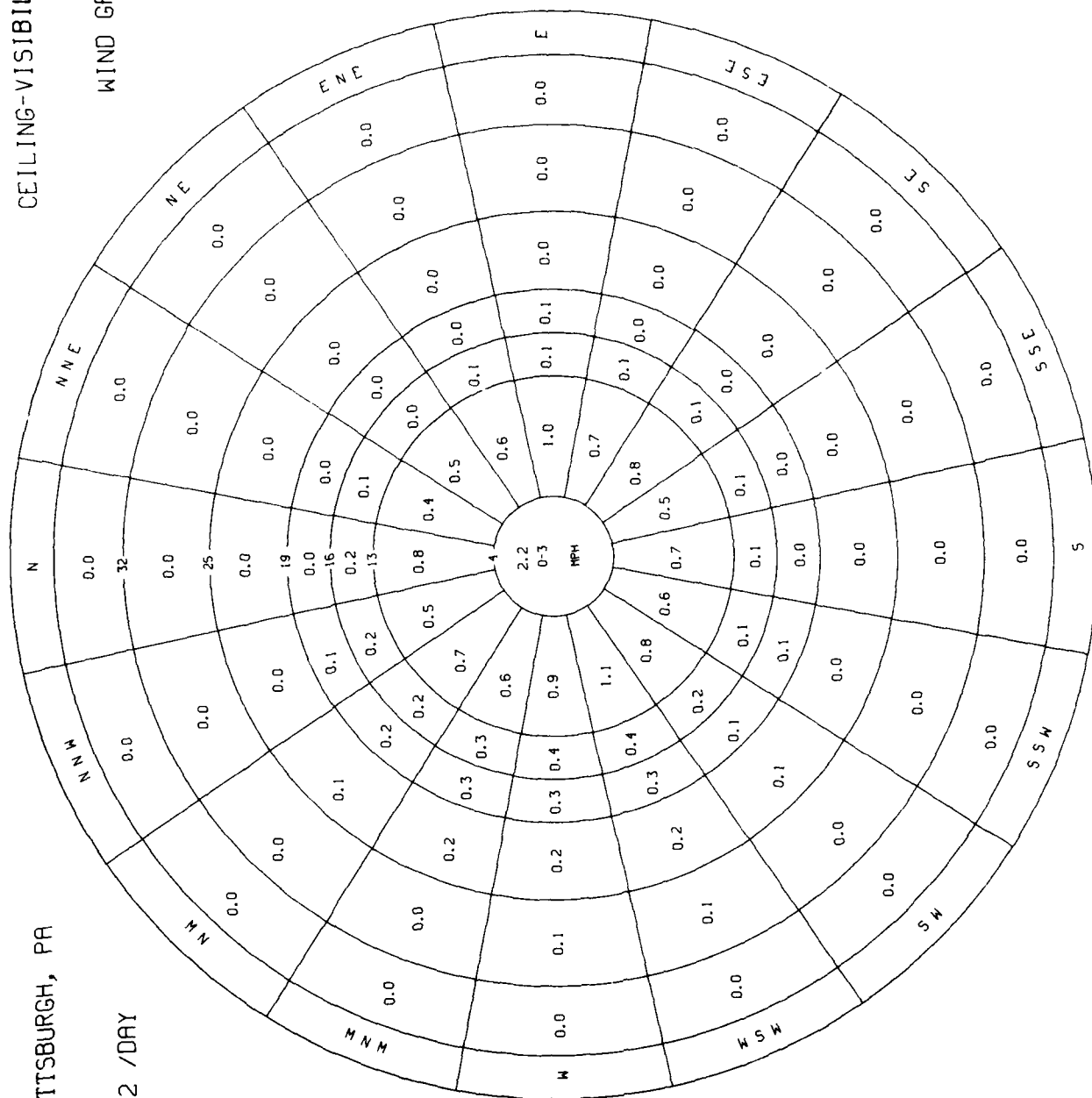
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	.3	4.0	4.7	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.8 5.7
NNE	.3	.3	2.5	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9 3.4
NE	.3	.3	2.4	2.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8 3.3
ENE	.2	.3	2.6	3.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.7
E	.5	.6	3.2	3.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0 4.7
ESE	.5	.6	3.1	3.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.0 4.8
SE	.5	.6	3.5	4.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.4 5.2
SSE	.5	.6	2.7	3.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.4 4.0
S	.7	.9	4.0	4.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.0 6.0
SSW	.3	.4	2.9	3.4	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.9 4.6
SW	.4	.5	4.7	5.5	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	6.6 7.8
WSW	.4	.5	5.2	6.2	1.4	1.6	1.1	1.3	.6	.7	.2	.2	.0	.0	8.9 10.5
W	.5	.6	5.1	6.1	1.3	1.5	.9	1.1	.5	.6	.1	.1	.0	.0	8.5 10.0
WNW	.4	.5	3.5	4.1	.8	1.0	.7	.8	.3	.3	.0	.0	.0	.0	5.7 6.7
NW	.3	.4	3.2	3.8	.5	.6	.3	.4	.1	.2	.0	.0	.0	.0	4.5 5.3
NNW	.1	.2	2.5	2.9	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	3.2 3.7
CALM	9.1	10.8													9.1 10.8
TOTAL	15.4	18.2	54.9	64.7	7.7	9.1	4.4	5.2	2.0	2.3	.4	.4	.1	.1	84.8 100
															8.0

CEILING-VISIBILITY

WIND GRAPH

PIT PITTSBURGH, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 2 / DAY

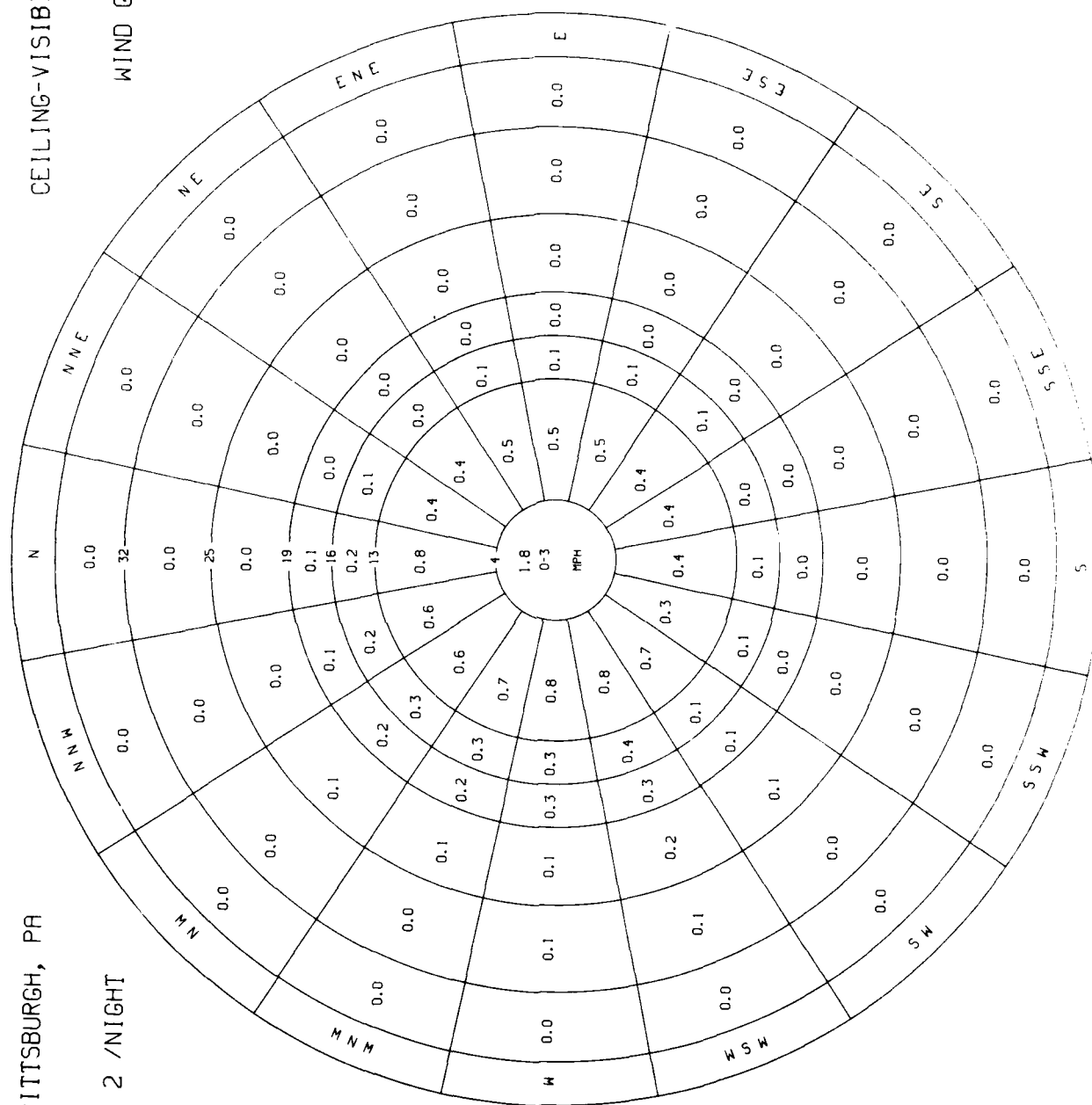
STATION NUMBER: 94823

NO. OBS.: 7571

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.8	4.1	.2	1.0	.0	.2	.0	.1	.0	.0	.0	.0	1.1	5.7	9.6
NNE	.1	.3	.4	1.9	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.6	8.3
NE	.1	.3	.5	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.1	7.8
ENE	.1	.3	.6	3.0	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7	3.9	8.6
E	.1	.5	1.0	5.5	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	1.3	6.9	8.2
ESE	.1	.4	.7	3.8	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.9	5.0	8.6
SE	.1	.6	.8	4.1	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.2	7.6
SSE	.1	.4	.5	2.8	.1	.3	.0	.0	.0	.1	.0	.0	.0	.0	.7	3.6	7.5
S	.1	.5	.7	3.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.9	4.7	7.6
SSW	.0	.2	.6	3.1	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.8	4.3	10.0
SW	.1	.3	.8	4.4	.2	1.1	.1	.7	.1	.3	.0	.0	.0	.0	1.3	7.0	10.6
WSW	.0	.3	1.1	6.0	.4	2.2	.3	1.4	.2	1.0	.1	.3	.0	.0	2.1	11.3	12.4
W	.1	.3	.9	5.1	.4	2.1	.3	1.7	.2	.9	.1	.3	.0	.1	2.0	10.6	12.7
WNW	.0	.3	.6	3.4	.3	1.7	.3	1.4	.2	.8	.0	.1	.0	.0	1.5	7.8	12.8
NW	.0	.2	.7	3.6	.2	1.2	.2	1.1	.1	.5	.0	.1	.0	.0	1.2	6.6	11.9
NNW	.0	.1	.5	2.8	.2	1.3	.1	.6	.0	.2	.0	.0	.0	.0	.9	5.0	11.8
CALM	1.2	6.6													1.2	6.6	
TOTAL	2.2	11.9	11.2	59.9	2.7	14.3	1.6	8.5	.8	4.3	.2	1.0	.0	.1	18.8	100	9.7

PIT PITTSBURGH, PA

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 2 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 5394

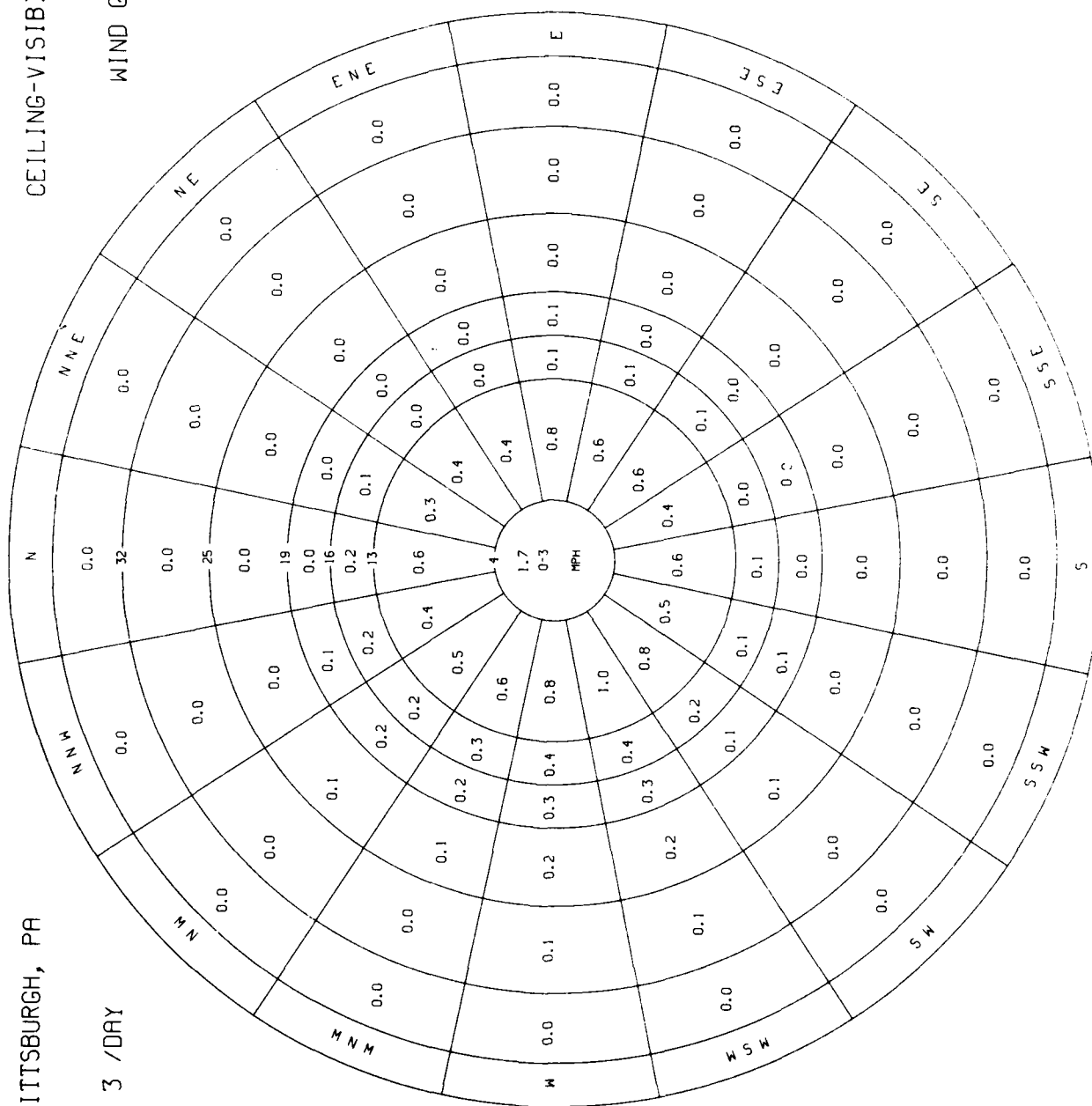
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.8	5.1	.2	1.1	.1	.4	.0	.1	.0	.0	.0	.0	1.0 6.8
NNE	.0	.2	.4	2.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.2
NE	.0	.3	.4	2.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.3
ENE	.0	.2	.5	3.2	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.3
E	.1	.4	.5	3.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.6
ESE	.0	.3	.5	3.2	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.1
SE	.1	.5	.4	2.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6 3.9
SSE	.1	.6	.4	2.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 3.1
S	.1	.5	.4	2.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6 3.7
SSW	.0	.1	.3	2.2	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.5 3.3
SW	.0	.3	.7	4.3	.1	.9	.1	.6	.1	.4	.0	.1	.0	.0	1.0 6.7
WSW	.0	.3	.8	5.2	.4	2.4	.3	1.7	.2	1.1	.1	.6	.0	.1	1.7 11.4
W	.1	.4	.8	5.4	.3	2.1	.3	1.7	.1	.6	.1	.3	.0	.0	1.6 10.6
WNW	.0	.3	.7	4.7	.3	2.2	.2	1.4	.1	.8	.0	.2	.0	.0	1.4 9.5
NW	.0	.3	.6	4.0	.3	1.7	.2	1.1	.1	.8	.0	.2	.0	.0	1.2 8.1
NNW	.0	.2	.6	4.0	.2	1.5	.1	.6	.0	.2	.0	.0	.0	.0	1.0 6.5
CALM	1.1	6.9													1.1 6.9
TOTAL	1.8	12.0	8.8	58.0	2.4	15.5	1.4	8.9	.6	4.1	.2	1.4	.0	.1	15.2 100 9.8

CEILING-VISIBILITY

WIND GRAPH

PIT PITTSBURGH, PA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 3 / DAY

STATION NUMBER: 94823

NO. OBS.: 6409

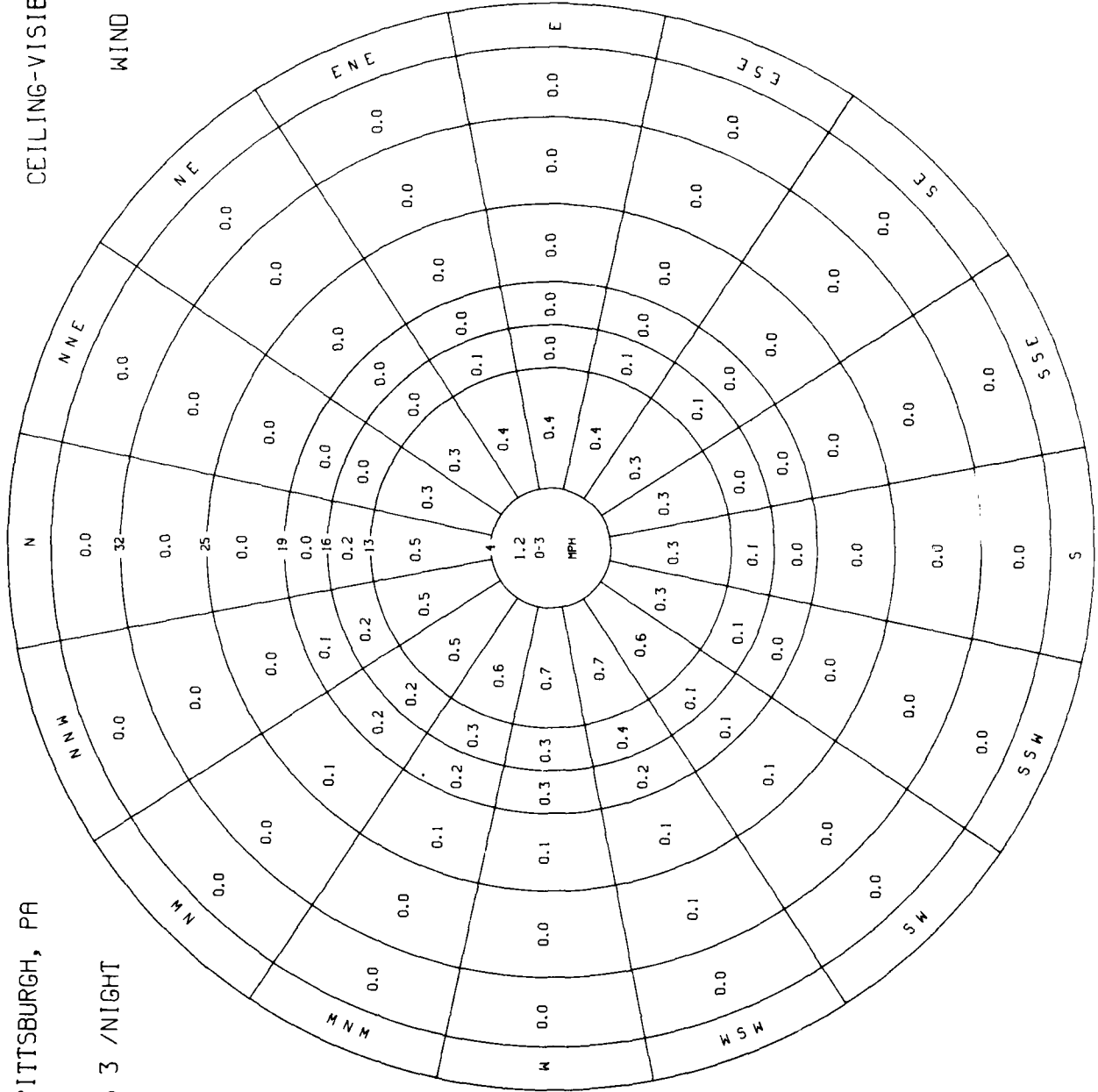
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.2	.6	3.7	.2	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	5.2	9.6
NNE	.0	.2	.3	1.8	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.5	8.5
NE	.0	.2	.4	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	2.9	7.9
ENE	.0	.3	.4	2.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.6	3.6	8.6
E	.1	.5	.8	5.1	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	.0	1.1	6.6	8.4
ESE	.1	.4	.6	3.6	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	4.8	8.1
SE	.1	.5	.6	3.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	5.0	7.7
SSE	.1	.4	.4	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	7.7
S	.1	.5	.6	3.7	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.7	7.9
SSW	.0	.2	.5	3.3	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.7	4.6	10.3
SW	.1	.3	.8	4.8	.2	1.3	.1	.8	.1	.4	.0	.0	.0	.0	.0	1.2	7.8	10.9
WSW	.0	.2	1.0	6.4	.4	2.5	.3	1.6	.2	1.1	.1	.3	.0	.0	.0	2.0	12.3	12.6
W	.0	.3	.8	5.2	.4	2.3	.3	1.9	.2	1.1	.1	.3	.0	.0	.0	1.8	11.1	12.9
WNW	.0	.2	.6	3.5	.3	2.0	.2	1.5	.1	.9	.0	.1	.0	.0	.0	1.3	8.2	13.0
NW	.0	.2	.5	3.4	.2	1.3	.2	1.2	.1	.6	.0	.1	.0	.0	.0	1.1	6.8	12.3
NNW	.0	.1	.4	2.8	.2	1.2	.1	.6	.0	.2	.0	.0	.0	.0	.0	.8	4.9	11.7
CALM	.9	5.5														.9	5.5	
TOTAL	1.7	10.4	9.4	58.9	2.5	15.6	1.5	9.2	.8	4.7	.2	1.0	.0	.2	15.9	100		10.0

PIT PITTSBURGH, PA

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 3 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 4321

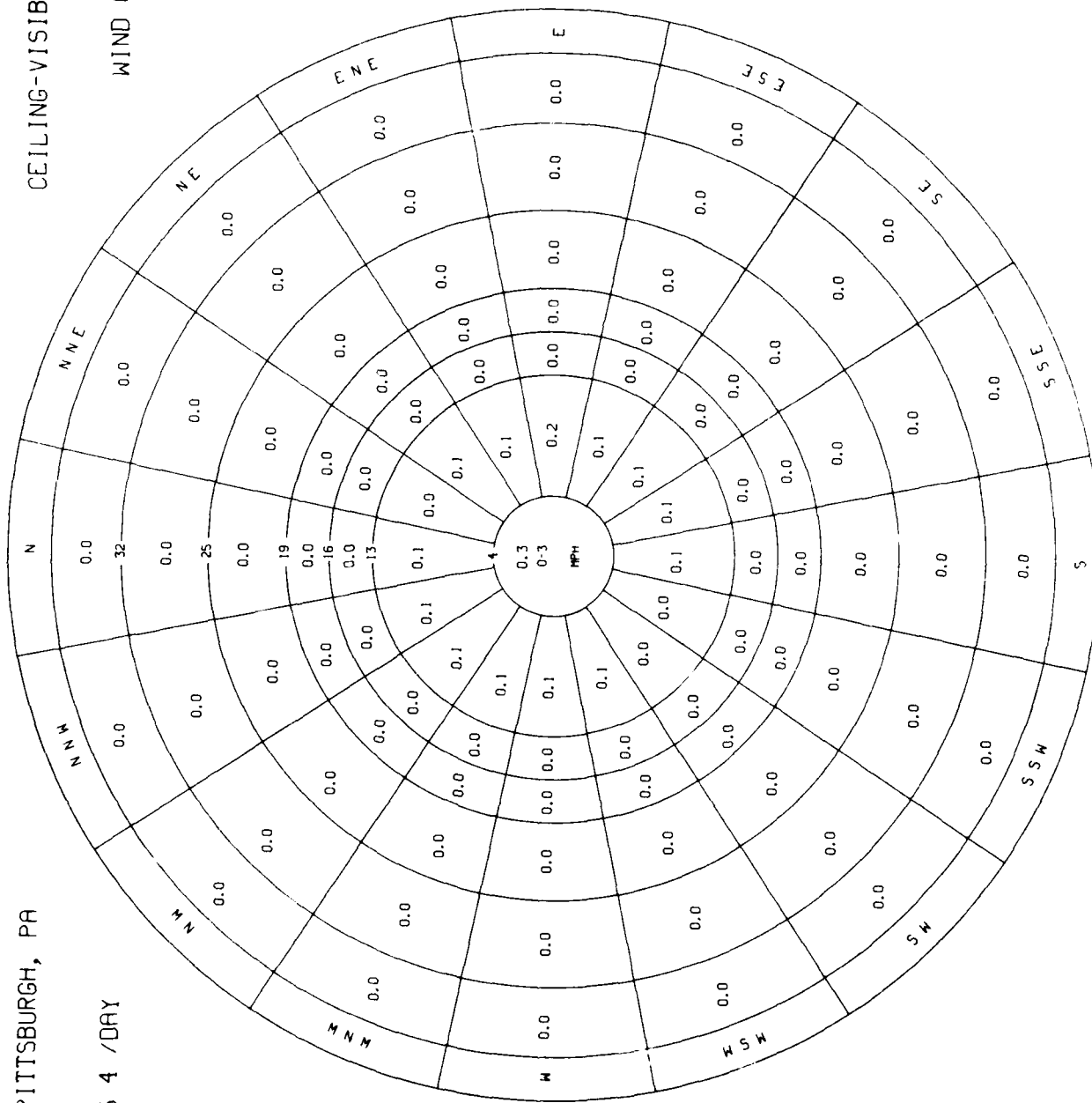
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.5	4.5	.2	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.6 6.3 10.1
NNE	.0	.2	.3	2.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.8 8.3
NE	.0	.2	.3	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.8 8.2
ENE	.0	.2	.4	2.9	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.1 9.5
E	.0	.3	.4	3.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.0 8.9
ESE	.0	.3	.4	2.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5 3.8 8.5
SE	.0	.4	.3	2.4	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.3 8.1
SSE	.1	.5	.3	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.6 6.9
S	.0	.3	.3	2.6	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.4 7.9
SSW	.0	.1	.3	2.4	.1	.7	.0	.4	.0	.0	.0	.0	.0	.0	.4 3.6 10.3
SW	.0	.3	.6	4.6	.1	1.1	.1	.8	.1	.5	.0	.2	.0	.0	.9 7.4 11.2
WSW	.0	.3	.7	5.4	.4	2.9	.2	1.9	.1	1.2	.1	.6	.0	.0	1.5 12.5 13.4
W	.0	.3	.7	5.5	.3	2.4	.3	2.1	.1	.8	.0	.4	.0	.0	1.4 11.5 12.5
WNW	.0	.2	.6	5.0	.3	2.5	.2	1.7	.1	.9	.0	.2	.0	.0	1.3 10.6 12.7
NW	.0	.2	.5	4.2	.2	2.0	.2	1.2	.1	.8	.0	.2	.0	.0	1.0 8.6 12.7
NNW	.0	.1	.5	4.2	.2	1.6	.1	.7	.0	.2	.0	.0	.0	.0	.8 6.9 11.1
CALM	.7	5.7													.7 5.7
TOTAL	1.2	9.8	6.8	56.1	2.2	17.8	1.2	10.1	.6	4.6	.2	1.6	.0	.1	12.1 100 10.4

PIT PITTSBURGH, PA

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1941 - 1978

CLASS 4 / DAY

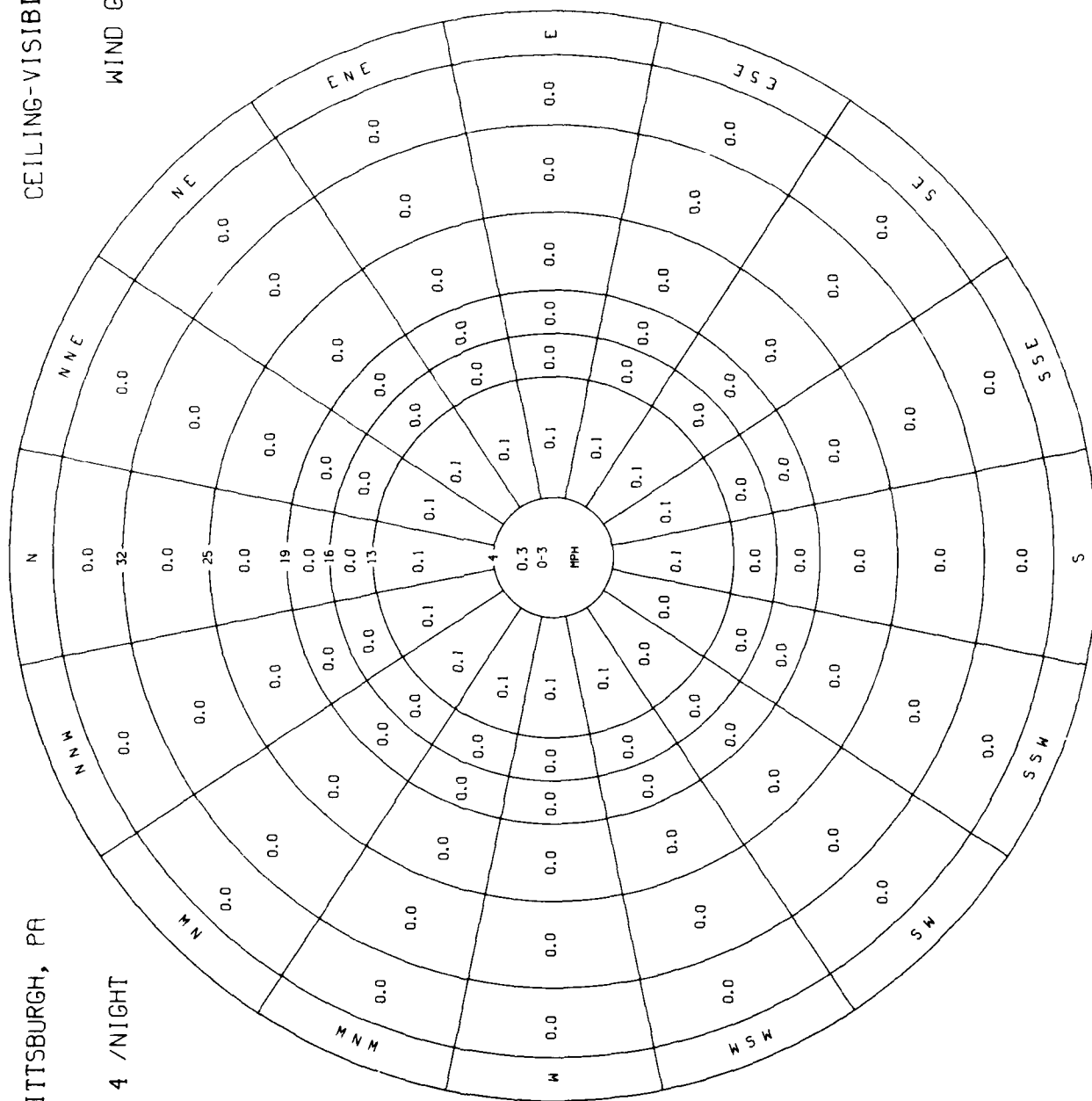
STATION NUMBER: 94823

NO. OBS.: 789

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	7.2	.0	1.1	.0	.8	.0	.1	.0	.1	.0	.0	.2 9.4
NNE	.0	.6	.0	2.5	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.5
NNE	.0	.3	.1	4.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.7
ENE	.0	.1	.1	4.3	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.1 5.4
E	.0	.5	.2	8.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2 9.0
ESE	.0	.8	.1	4.9	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.1 6.2
SE	.0	1.0	.1	4.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.5
SSE	.0	.3	.1	3.3	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.9
S	.0	.4	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.6
SSW	.0	.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SW	.0	.3	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
WSW	.0	.0	.1	3.5	.0	.4	.0	.6	.0	.8	.0	.4	.0	.0	.1 5.7
W	.0	.5	.1	4.6	.0	1.1	.0	1.1	.0	.4	.0	.4	.0	.0	.2 8.1
WNW	.0	.1	.1	2.9	.0	.6	.0	.9	.0	.4	.0	.3	.0	.0	.1 5.2
NW	.0	.0	.1	4.1	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.1 6.0
NNW	.0	.3	.1	3.7	.0	1.8	.0	1.3	.0	.0	.0	.1	.0	.0	.1 7.1
CALM	.2	9.8													.2 9.8
TOTAL	.3	15.2	1.3	66.7	.2	8.9	.1	6.0	.0	1.9	.0	1.4	.0	.0	2.0 10.0

CEILING-VISIBILITY

WIND GRAPH



PIT PITTSBURGH, PA

CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 4 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 692

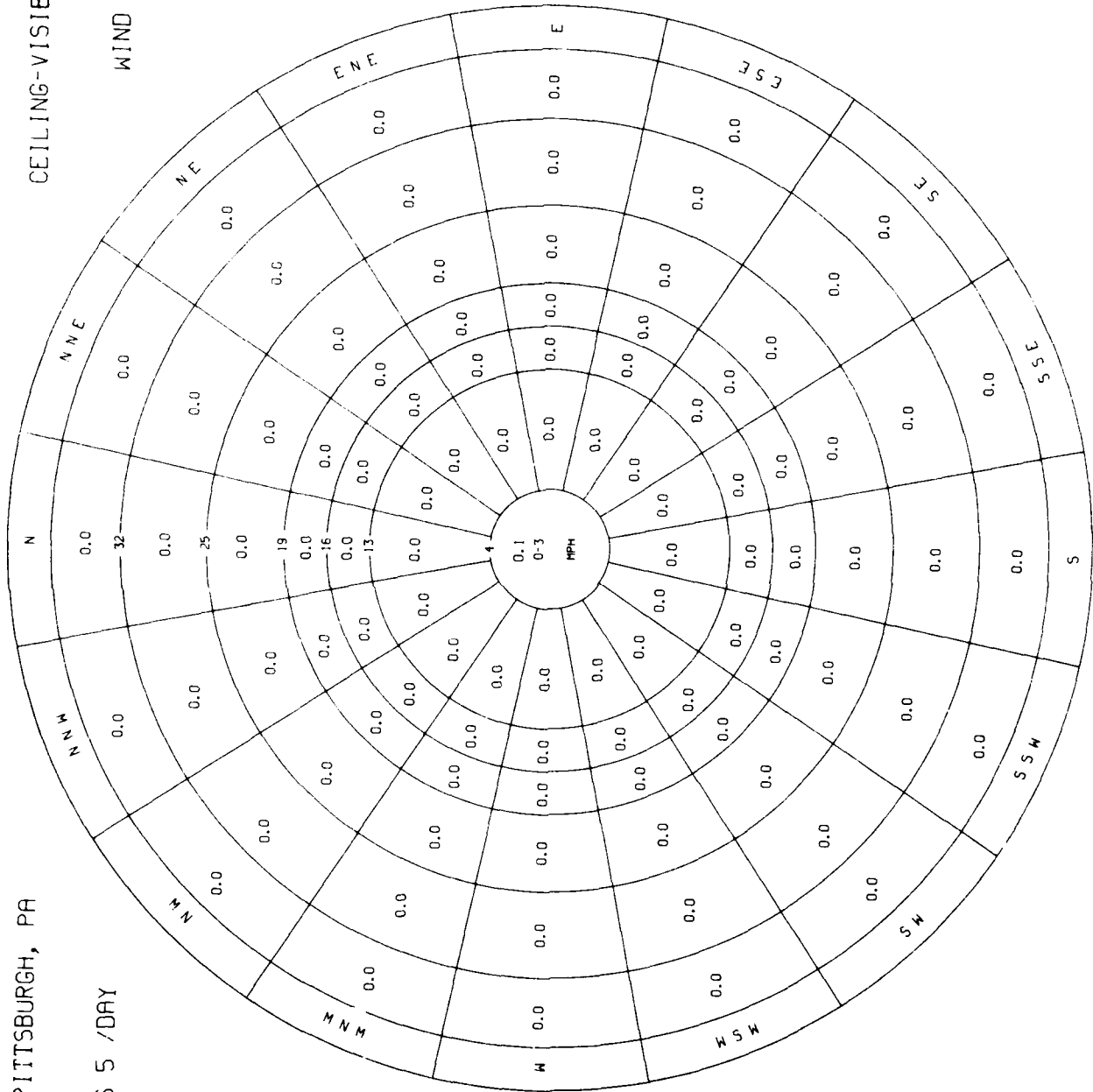
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.1	7.5	.0	.9	.0	.7	.0	.4	.0	.0	.0	.0	.2 9.8
NNE	.0	.1	.1	3.9	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.1 5.1
NE	.0	.1	.1	4.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 5.5
ENE	.0	.3	.1	4.3	.0	.7	.0	.6	.0	.1	.0	.0	.0	.0	.1 6.1
E	.0	1.0	.1	4.5	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1 6.5
ESE	.0	.3	.1	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.1
SE	.0	.7	.1	4.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.2
SSE	.0	.9	.1	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.9
S	.0	.6	.1	3.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.3
SSW	.0	.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SW	.0	.4	.0	2.5	.0	.4	.0	.0	.0	.1	.0	.1	.0	.0	.1 3.6
WSW	.0	.3	.1	4.9	.0	.6	.0	1.6	.0	.6	.0	.4	.0	.1	.2 8.5
W	.0	.6	.1	5.5	.0	1.6	.0	.4	.0	.1	.0	.0	.0	.1	.2 8.4
WNW	.0	.3	.1	4.2	.0	.7	.0	.1	.0	.1	.0	.1	.0	.0	.1 5.6
NW	.0	.7	.1	3.8	.0	1.0	.0	.9	.0	.7	.0	.1	.0	.0	.1 7.2
NNW	.0	.6	.1	3.6	.0	1.0	.0	.4	.0	.1	.0	.0	.0	.0	.1 5.8
CALM	.1	6.1													.1 6.1
TOTAL	.3	13.4	1.3	67.9	.2	9.1	.1	5.9	.0	2.5	.0	.9	.0	.3	1.9 100
															8.7

PIT PITTSBURGH, PA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 5 / DAY

STATION NUMBER: 94823

NO. OBS.: 179

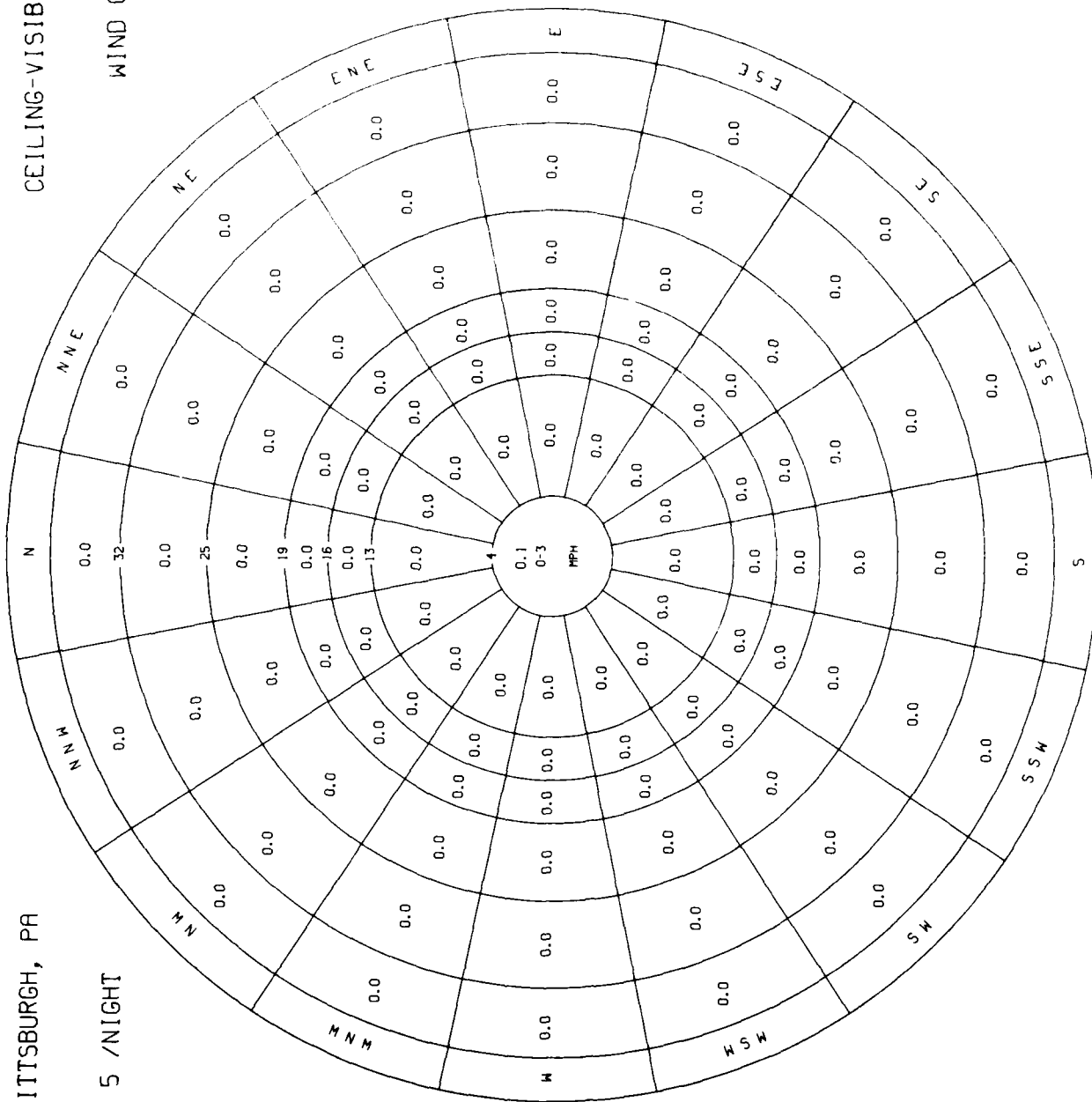
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	3.9	.0	1.1	.0	.0	.0	.6	.0	.0	.0	.0	.0 5.6
NNE	.0	.6	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NE	.0	2.2	.0	2.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
ENE	.0	.0	.0	6.1	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0 7.8
E	.0	.6	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.9
ESE	.0	.0	.0	5.6	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 6.7
SE	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
SSE	.0	.6	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
S	.0	1.7	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.8
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
SW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
WSW	.0	.6	.0	2.8	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 3.9
W	.0	1.1	.0	3.4	.0	1.7	.0	.6	.0	.0	.0	.6	.0	.0	.0 7.3
WNW	.0	.6	.0	3.9	.0	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.0 6.1
NW	.0	.6	.0	6.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.3
NNW	.0	.0	.0	1.7	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0 2.8
CALM	.1	13.4													.1 13.4
TOTAL	.1	22.3	.3	65.9	.0	6.1	.0	2.8	.0	2.2	.0	.6	.0	.0	.4 100

PIT PITTSBURGH, PA

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 5 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 178

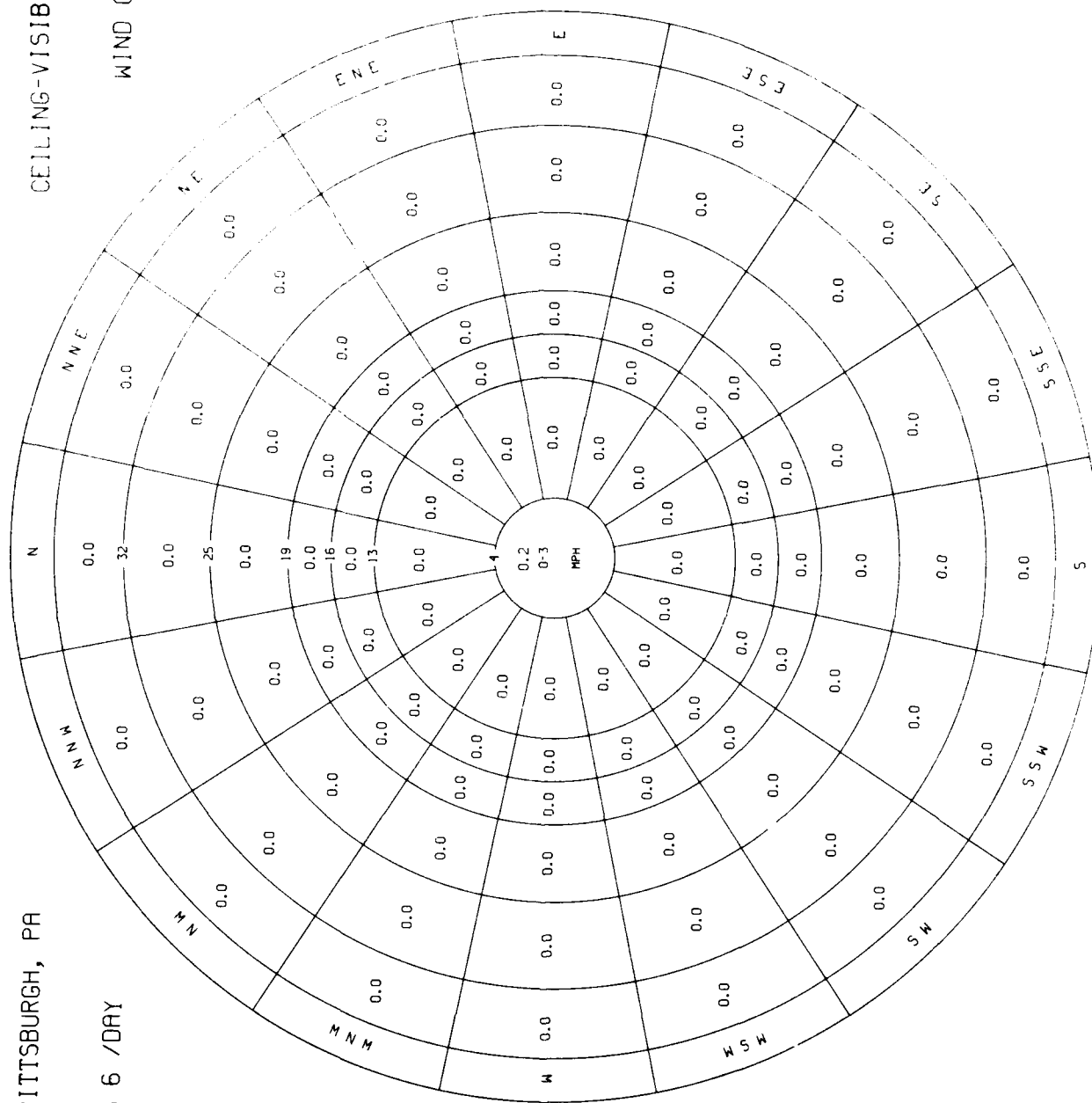
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4
NNE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
NE	.0	1.1	.0	4.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	6.2
ENE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
E	.0	.6	.0	9.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	10.7
ESE	.0	.6	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1
SE	.0	1.1	.0	6.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	8.4
SSE	.0	.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
S	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
WSW	.0	.6	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2
W	.0	.6	.0	5.1	.0	.0	.0	.6	.0	.0	.0	1.1	.0	.0	7.3
WNW	.0	.6	.0	2.8	.0	.6	.0	.6	.0	.6	.0	.0	.0	.0	5.1
NW	.0	.0	.0	2.8	.0	.6	.0	.6	.0	1.1	.0	.6	.0	.0	5.6
NNW	.0	.6	.0	4.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	5.6
CALM	.1	14.0													
TOTAL	.1	21.3	.4	70.2	.0	2.8	.0	2.2	.0	1.7	.0	1.7	.0	.0	14.0
															6.8

PIT PITTSBURGH, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 6 / DAY

STATION NUMBER: 94823

NO. OBS.: 194

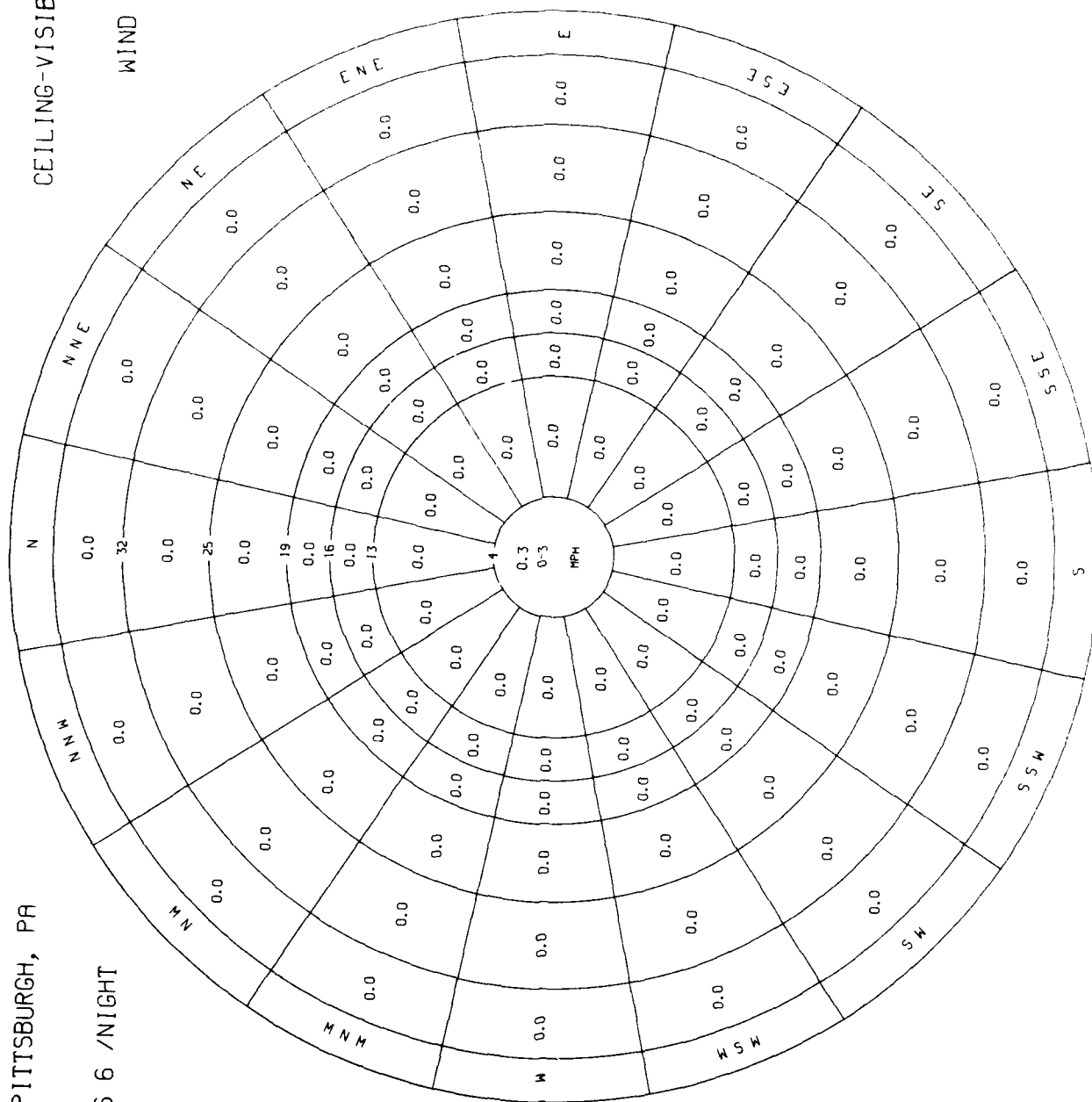
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	7.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	1.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.6
ENE	.0	2.1	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	5.6
E	.0	1.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	5.5
ESE	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	6.3
SE	.0	1.5	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	5.4
SSE	.0	2.1	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	4.8
S	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.8
SSW	.0	.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.3
SW	.0	.5	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.7
WSW	.0	1.5	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	5.7
W	.0	.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	9.0
WNW	.0	1.0	.0	2.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	4.1	6.6
NW	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	8.2
NNW	.0	.0	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.5	9.7
CALM	.1	23.7													.1	23.7	
TOTAL	.2	38.1	.3	60.3	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.5	.5	100	4.7

PIT PITTSBURGH, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 6 / NIGHT

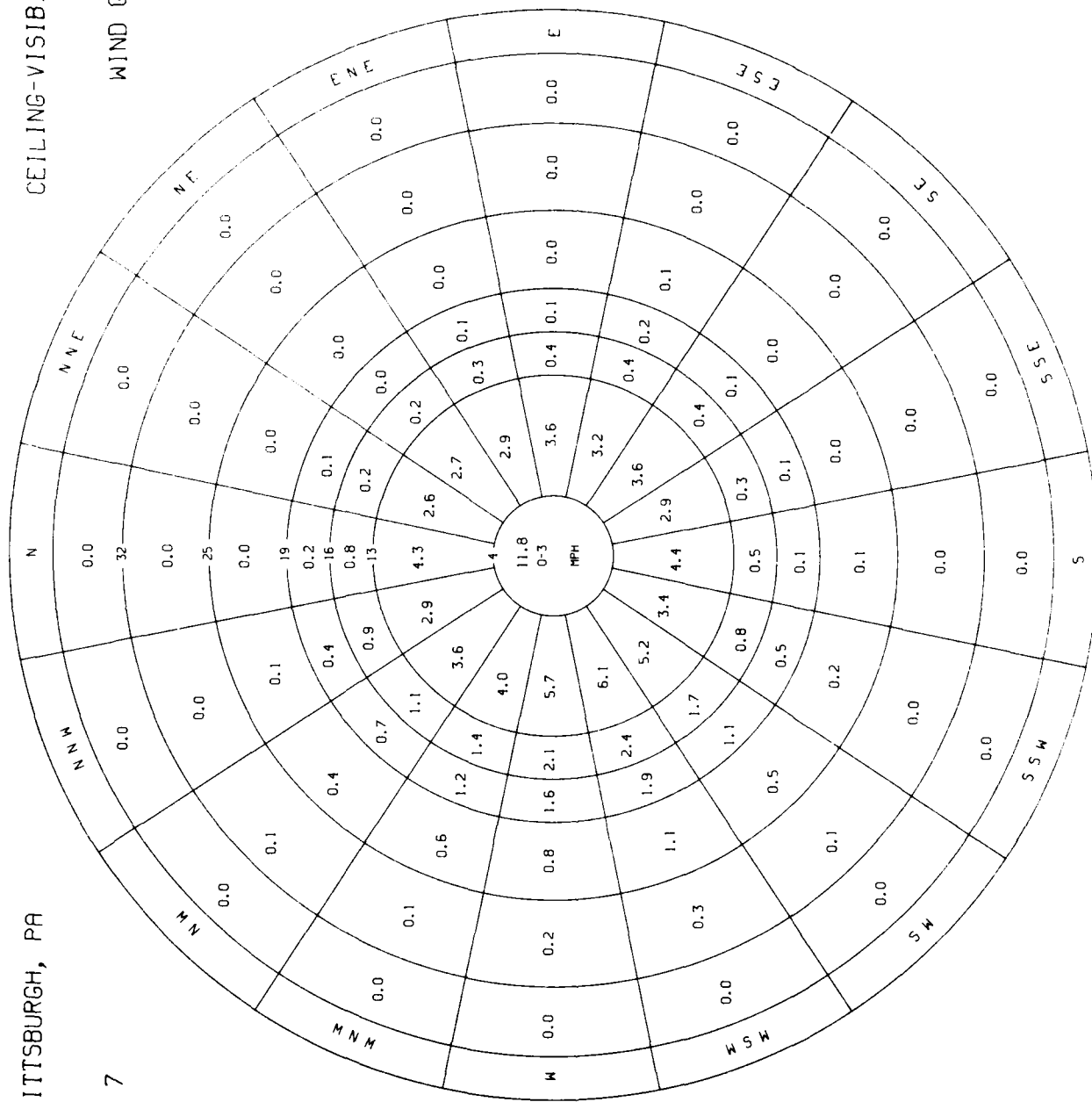
STATION NUMBER: 94823

NO. OBS.: 203

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
NNE	.0	.5	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
NE	.0	1.0	.0	3.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.4
ENE	.0	1.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
E	.0	1.5	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
ESE	.0	1.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
SE	.0	1.5	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
SSE	.0	2.5	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
S	.0	3.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4
SSW	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
SW	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
WSW	.0	.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
W	.0	.5	.0	3.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	3.9
WNW	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
NW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
NNW	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.5
CALM	.2	29.6													29.6
TOTAL	.3	45.8	.3	52.7	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	61.0

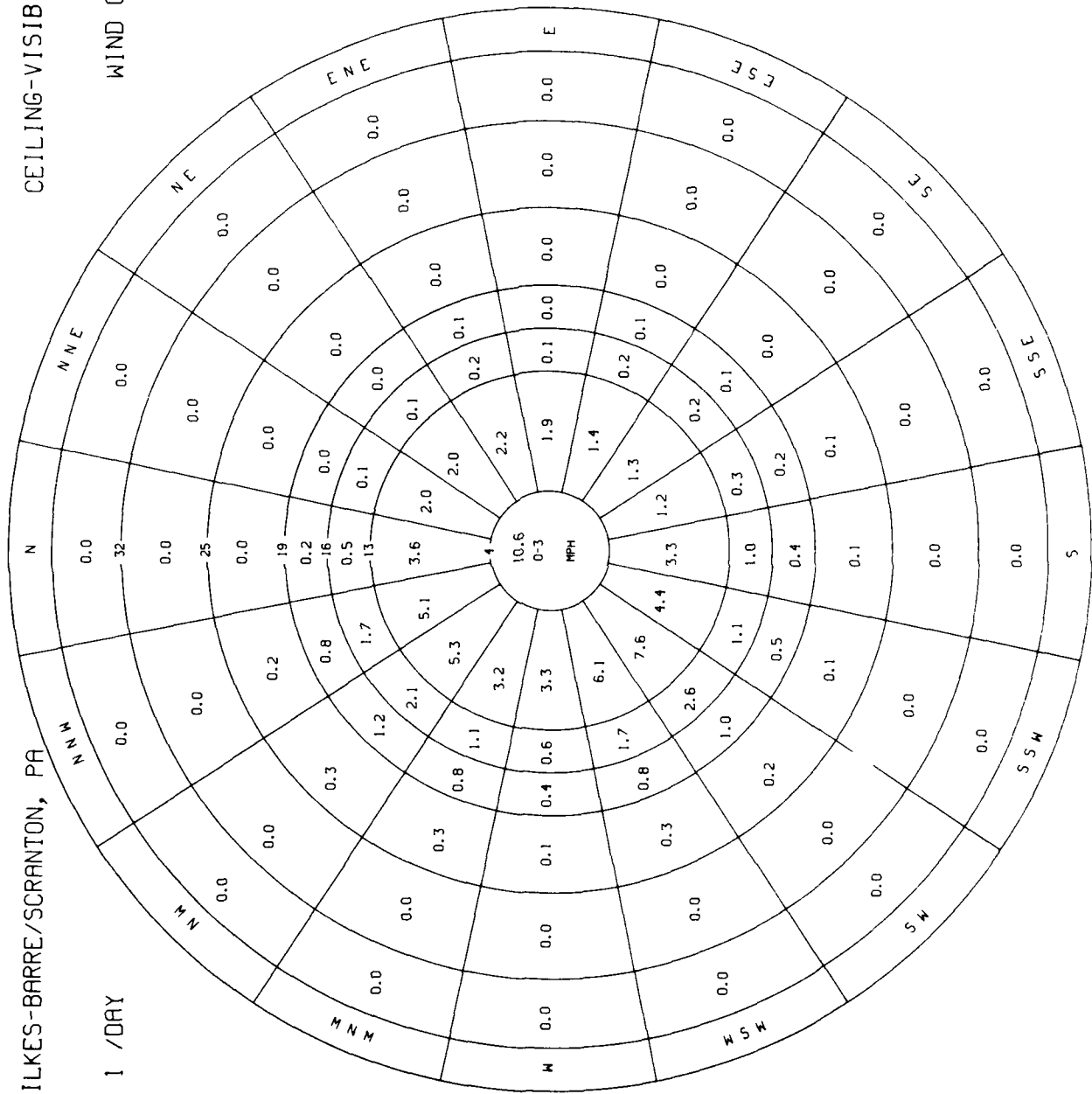
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



009

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

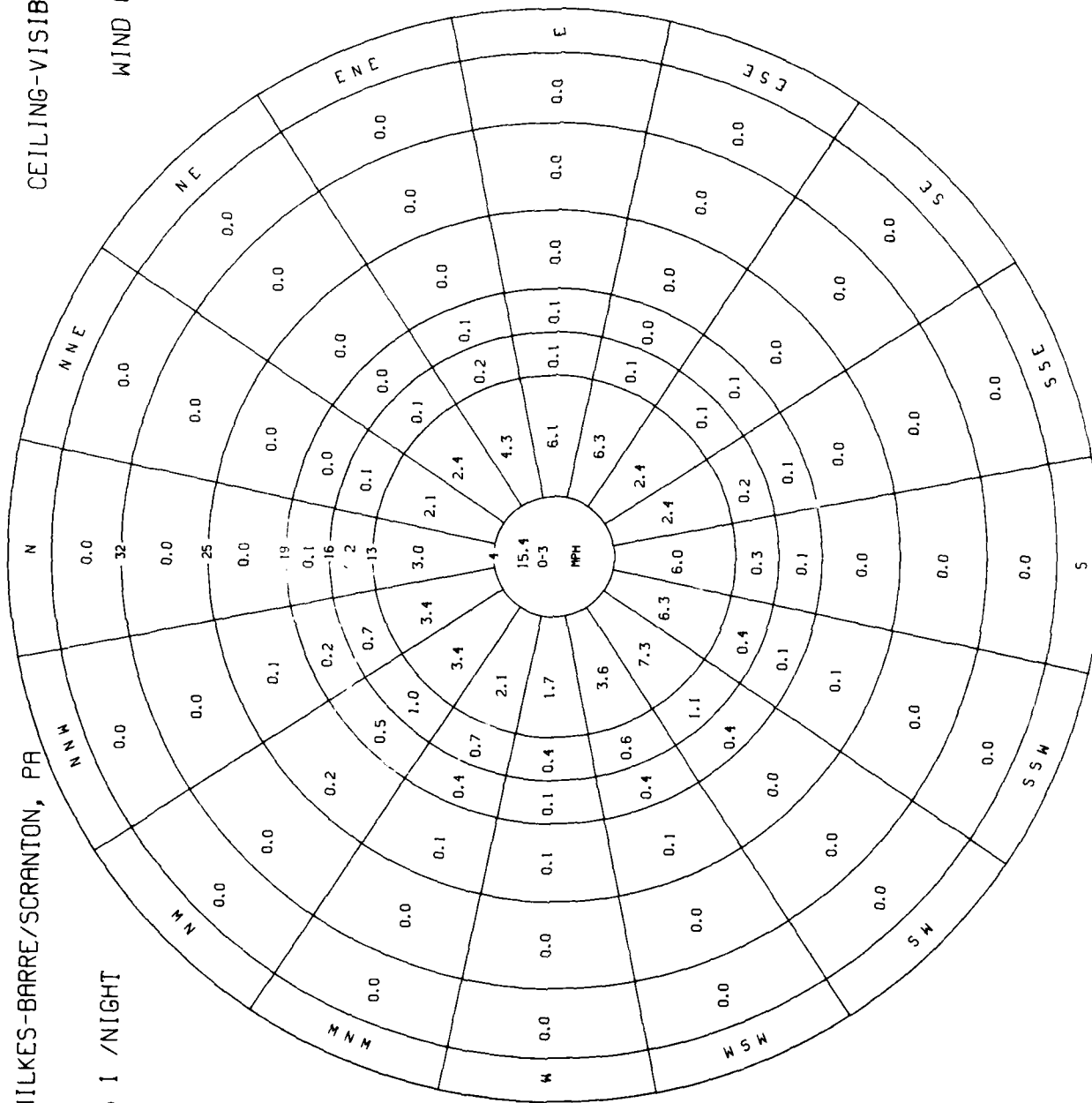
CLASS 1 / DAY

STATION NUMBER: 14777

NO. OBS.: 42920

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.6	.6	3.6	4.2	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	5.0	5.7	8.5
NNE	.3	.4	2.0	2.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.9	7.5
NE	.5	.5	2.0	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0	6.9
ENE	.5	.6	2.2	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.0	3.4	7.0
E	.5	.6	1.9	2.1	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.6	2.9	7.2
ESE	.3	.3	1.4	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.2	7.9
SE	.3	.3	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9	2.2	8.5
SSE	.2	.2	1.2	1.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0	2.3	9.7
S	.4	.5	3.3	3.8	1.0	1.1	.4	.5	.1	.1	.0	.0	.0	.0	5.3	6.1	10.0
SSW	.3	.3	4.4	5.1	1.1	1.3	.5	.6	.1	.1	.0	.0	.0	.0	6.4	7.3	10.0
SW	.6	.7	7.6	8.7	2.6	3.0	1.0	1.2	.2	.2	.0	.0	.0	.0	12.1	13.9	10.5
WSW	.5	.6	6.1	7.0	1.7	2.0	.8	1.0	.3	.3	.0	.0	.0	.0	9.5	10.9	10.3
W	.6	.7	3.3	3.8	.6	.7	.4	.4	.1	.1	.0	.0	.0	.0	5.0	5.8	8.9
WNW	.4	.5	3.2	3.7	1.1	1.2	.8	.9	.3	.3	.0	.0	.0	.0	5.8	6.6	10.9
NW	.6	.7	5.3	6.1	2.1	2.4	1.2	1.4	.3	.4	.0	.0	.0	.0	9.6	11.1	10.9
NNW	.5	.6	5.1	5.9	1.7	2.0	.8	.9	.2	.2	.0	.0	.0	.0	8.4	9.6	10.6
CALM	3.4	3.9													3.4	3.9	
TOTAL	10.6	12.1	54.1	62.2	13.6	15.6	6.6	7.6	1.8	2.1	.3	.3	.0	.0	87.0	100	9.3

AVP WILKES-BARRE/SCRANTON, PA
 CLASS I /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

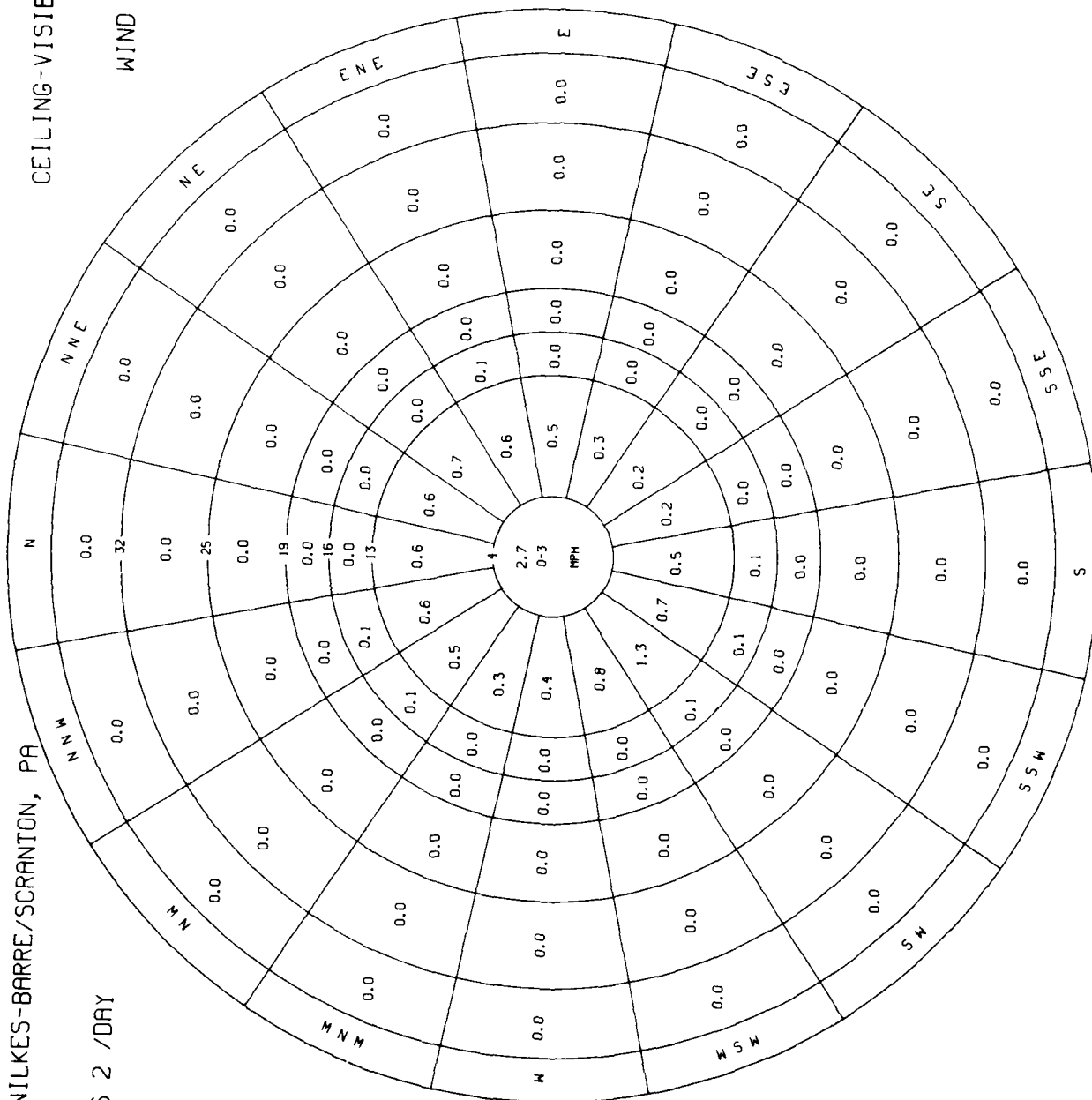
CLASS 1 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 33774

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.5	.6	3.0	3.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.9 4.4
NNE	.4	.4	2.1	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 2.9
NE	.6	.7	2.4	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1 3.6
ENE	.9	1.0	4.3	4.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.4 6.2
E	1.4	1.6	6.1	6.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	7.7 8.7
ESE	1.0	1.1	6.3	7.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.4 8.4
SE	1.0	1.1	2.4	2.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.5 4.0
SSE	.6	.6	2.4	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.3 3.7
S	.9	1.0	6.0	6.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	7.4 8.4
SSW	.5	.6	6.3	7.2	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	7.5 8.5
SW	.8	.9	7.3	8.3	1.1	1.2	.4	.4	.0	.1	.0	.0	.0	.0	9.6 10.9
WSW	.5	.5	3.6	4.0	.6	.7	.4	.4	.1	.1	.0	.0	.0	.0	5.2 5.9
W	.3	.3	1.7	2.0	.4	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.7 3.0
WNW	.3	.3	2.1	2.4	.7	.7	.4	.4	.1	.2	.0	.0	.0	.0	3.6 4.1
NW	.5	.6	3.4	3.9	1.0	1.1	.5	.6	.2	.2	.0	.0	.0	.0	5.6 6.4
NNW	.4	.4	3.4	3.8	.7	.8	.2	.3	.1	.1	.0	.0	.0	.0	4.8 5.4
CALM	4.9	5.5													4.9 5.5
TOTAL	15.4	17.5	62.7	71.2	6.2	7.0	2.7	3.1	.9	1.0	.2	.2	.0	.0	88.1 100

AVP WILKES-BARRE/SCRANTON, PA
 CLASS 2 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 14777

NO. OBS.: 6392

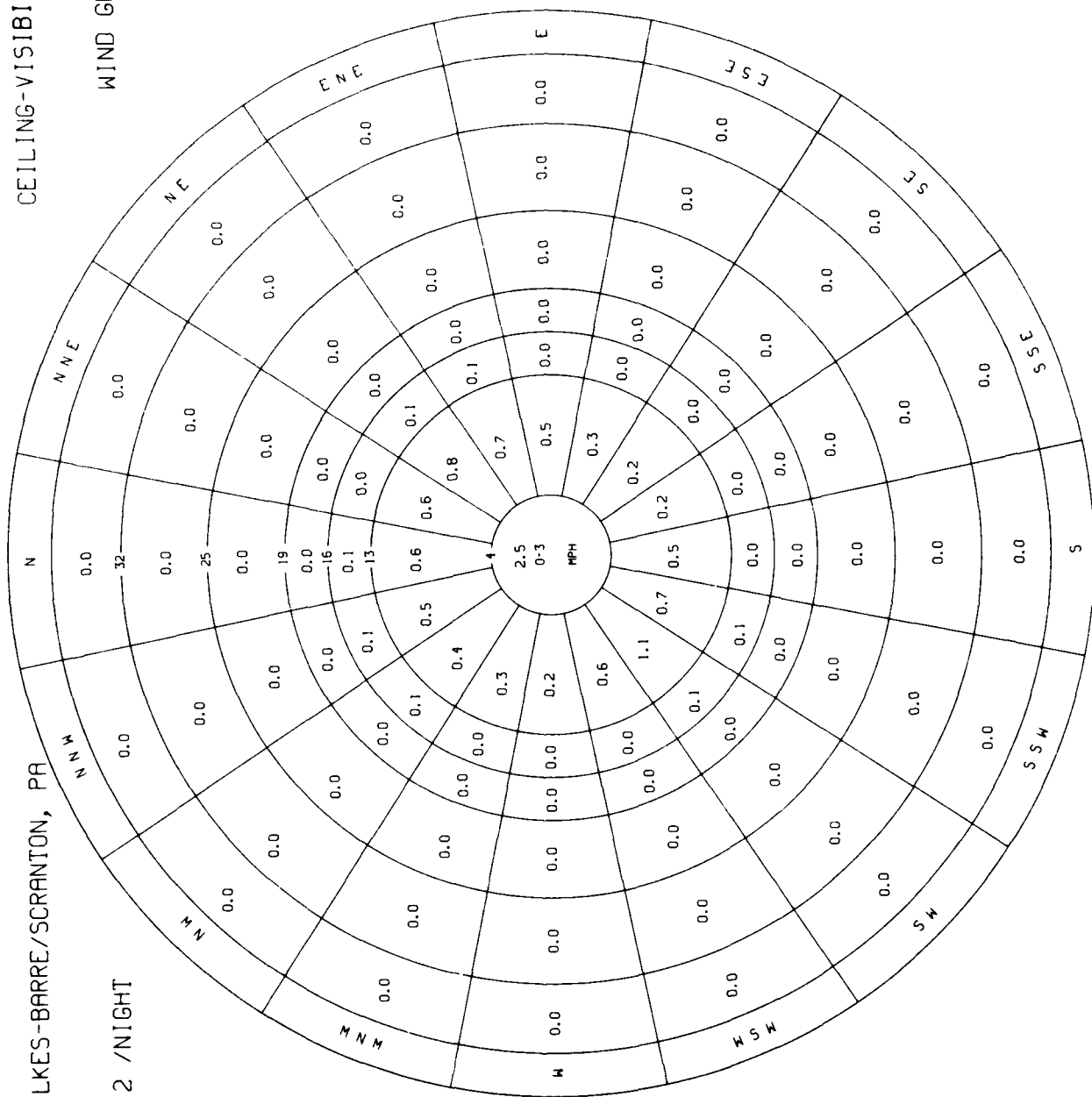
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.1	.6	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.8 6.0
NNE	.1	1.0	.6	4.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.8 6.0
NE	.2	1.2	.7	5.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	1.0 7.6
ENE	.1	1.1	.6	4.8	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.9 6.6
E	.1	.9	.5	3.5	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.7 5.3
ESE	.1	.5	.3	2.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.2
SE	.1	.4	.2	1.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.2
SSE	.1	.5	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.3 2.3
S	.1	.8	.5	4.0	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.6
SSW	.1	.8	.7	5.5	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.9 7.3
SW	.2	1.3	1.3	9.8	.1	1.1	.0	.4	.0	.1	.0	.0	.0	.0	1.6 12.6
WSW	.2	1.2	.8	5.9	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.0 7.6
W	.1	.9	.4	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.6
WNW	.1	.8	.3	2.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 4.0
NW	.1	1.1	.5	3.9	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.8 6.2
NNW	.1	.6	.6	4.5	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.8 6.1
CALM	.9	6.8													.9 6.8
TOTAL	2.7	21.1	8.8	67.5	.9	6.9	.4	3.0	.1	1.1	.0	.4	.0	.0	13.0 100
															7.4

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 4559

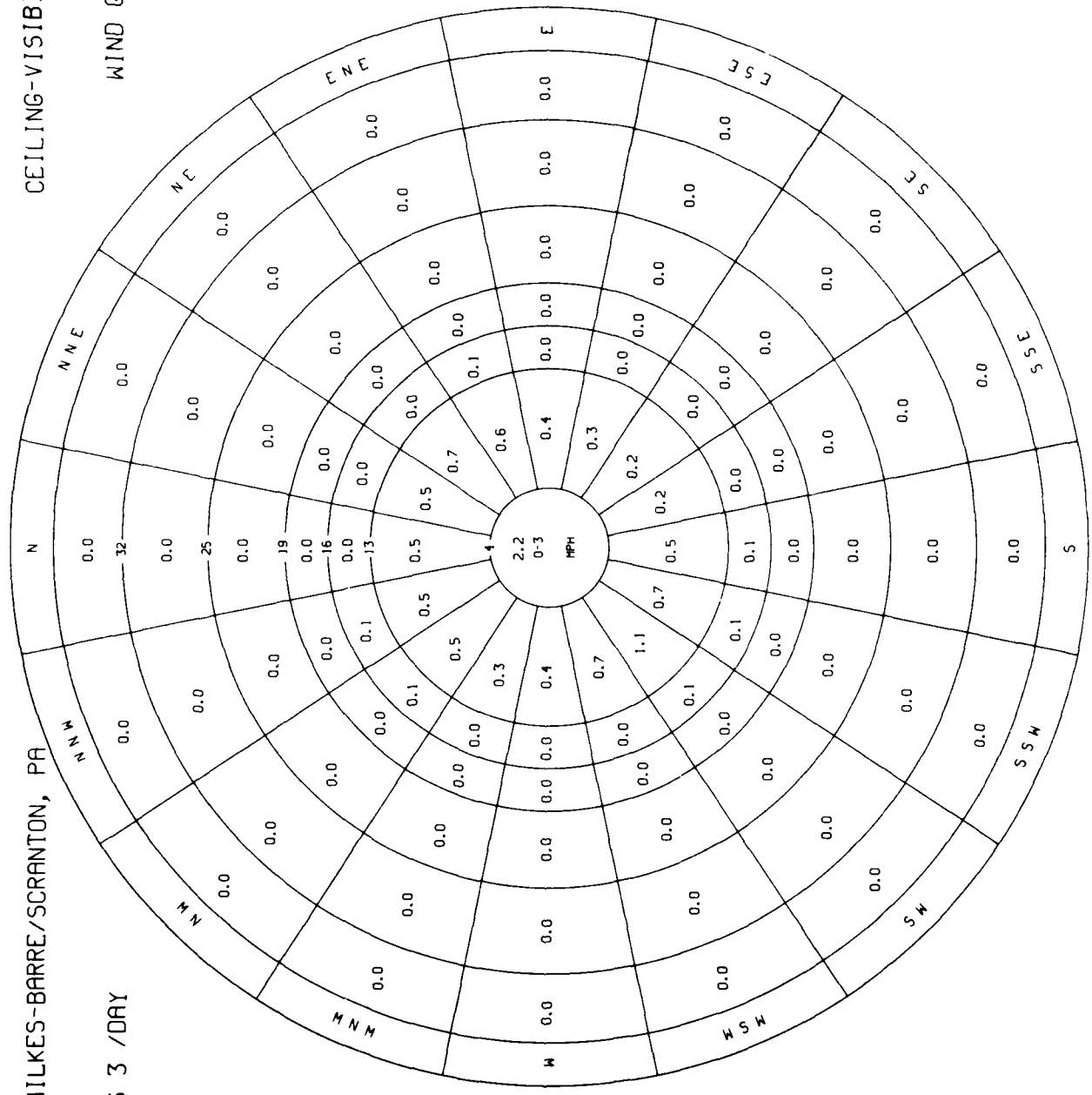
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.3	.6	4.8	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.8 6.8
NNE	.1	1.2	.6	4.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 6.4
NE	.1	1.2	.8	7.0	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.1 9.1
ENE	.1	.9	.7	5.6	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.9 7.3
E	.1	1.1	.5	4.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.6
ESE	.1	.6	.3	2.8	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.5 3.8
SE	.1	.7	.2	1.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.9
SSE	.1	.4	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.2
S	.1	1.2	.5	4.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.7 6.3
SSW	.1	.8	.7	6.2	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.9 7.8
SW	.1	1.2	1.1	9.1	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.4 11.4
WSW	.1	1.1	.6	4.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 6.2
W	.1	.7	.2	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.0
WNW	.1	.7	.3	2.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.8
NW	.1	.6	.4	3.4	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.6 5.0
NNW	.1	.6	.5	4.2	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.7 5.8
CALM	.8	6.6													.8 6.6
TOTAL	2.5	20.9	8.2	69.4	.8	6.5	.3	2.5	.1	.5	.0	.1	.0	.1	11.9 100
															7.1

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 14777

NO. OBS.: 5653

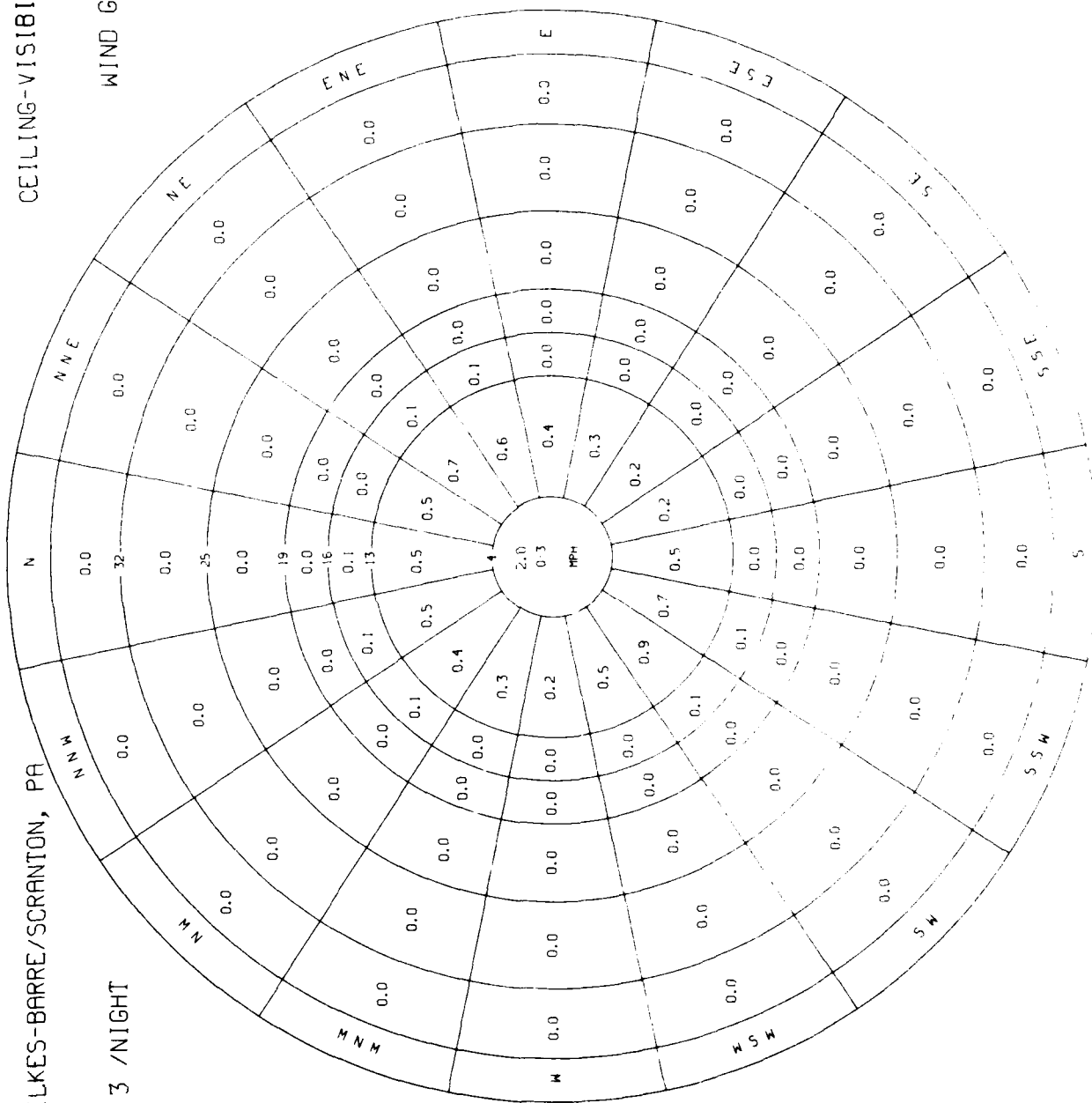
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.5	4.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7 5.9
NNE	.1	1.0	.5	4.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.7
NE	.1	1.1	.7	5.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.8 7.4
ENE	.1	1.0	.6	5.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.8 6.8
E	.1	.9	.4	3.8	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.6 5.6
ESE	.1	.4	.3	2.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.3
SE	.0	.3	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.3
SSE	.0	.4	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.3 2.2
S	.1	.7	.5	4.1	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.7
SSW	.1	.7	.7	5.7	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.9 7.4
SW	.1	1.0	1.1	9.8	.1	1.1	.0	.4	.0	.1	.0	.0	.0	.0	1.4 12.4
WSW	.1	1.0	.7	5.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.9 7.4
W	.1	.9	.4	3.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.7
WNW	.1	.7	.3	2.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.1
NW	.1	1.1	.5	4.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.7 6.5
NNW	.1	.6	.5	4.7	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.7 6.4
CALM	.7	6.0													.7 6.0
TOTAL	2.2	19.1	7.9	69.1	.8	7.3	.4	3.1	.1	1.1	.0	.4	.0	.0	11.5 100
															7.5

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE / SCRANTON, PA

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 4037

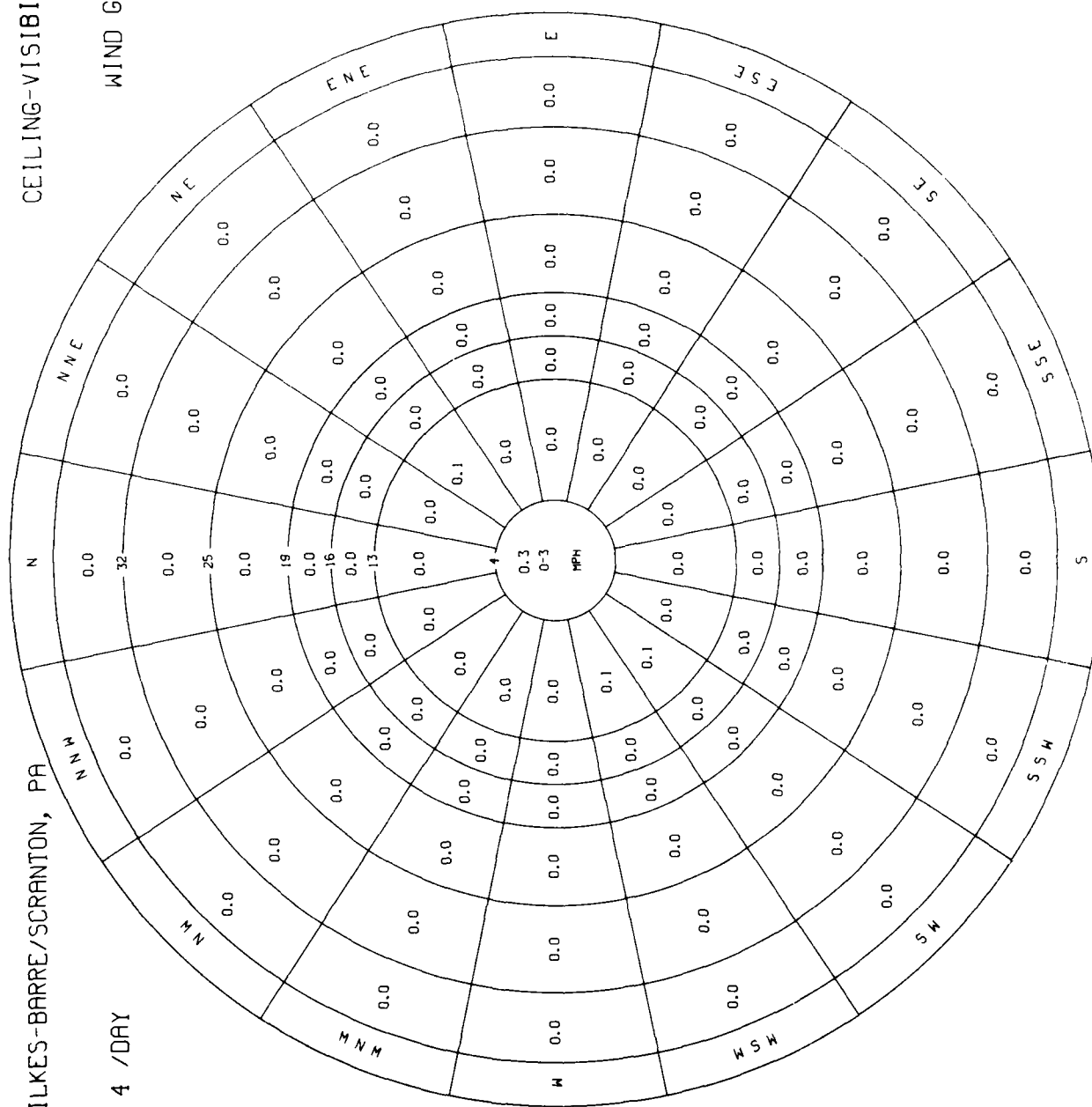
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.1	1.3	.5	5.1	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	7.2	7.3
NNE	.1	1.3	.5	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.2	6.8
NE	.1	1.0	.7	7.0	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	8.9	7.4
ENE	.1	.8	.6	6.0	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.8	7.7	8.0
E	.1	1.1	.4	4.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	6.0	7.4
ESE	.1	.7	.3	2.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	4.0	8.0
SE	.1	.7	.2	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	3.1	7.4
SSE	.0	.3	.2	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.2	6.7
S	.1	1.1	.5	4.7	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	6.3	7.2
SSW	.1	.7	.7	6.3	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	7.8	7.9
SW	.1	1.0	.9	8.9	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.2	11.0	8.2
WSW	.1	.9	.5	4.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	5.8	6.8
W	.1	.6	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5	6.1
WNW	.1	.7	.3	2.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.4	3.7	7.9
NW	.1	.6	.4	3.7	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	5.4	8.8
NNW	.1	.6	.5	4.4	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.6	6.1	8.7
CALM	.6	5.9														.6	5.9	
TOTAL	2.0	19.3	7.4	70.5	.7	6.9	.3	2.5	.1	.5	.0	.1	.0	.1	10.5	100		7.2

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 14777

NO. OBS.: 416

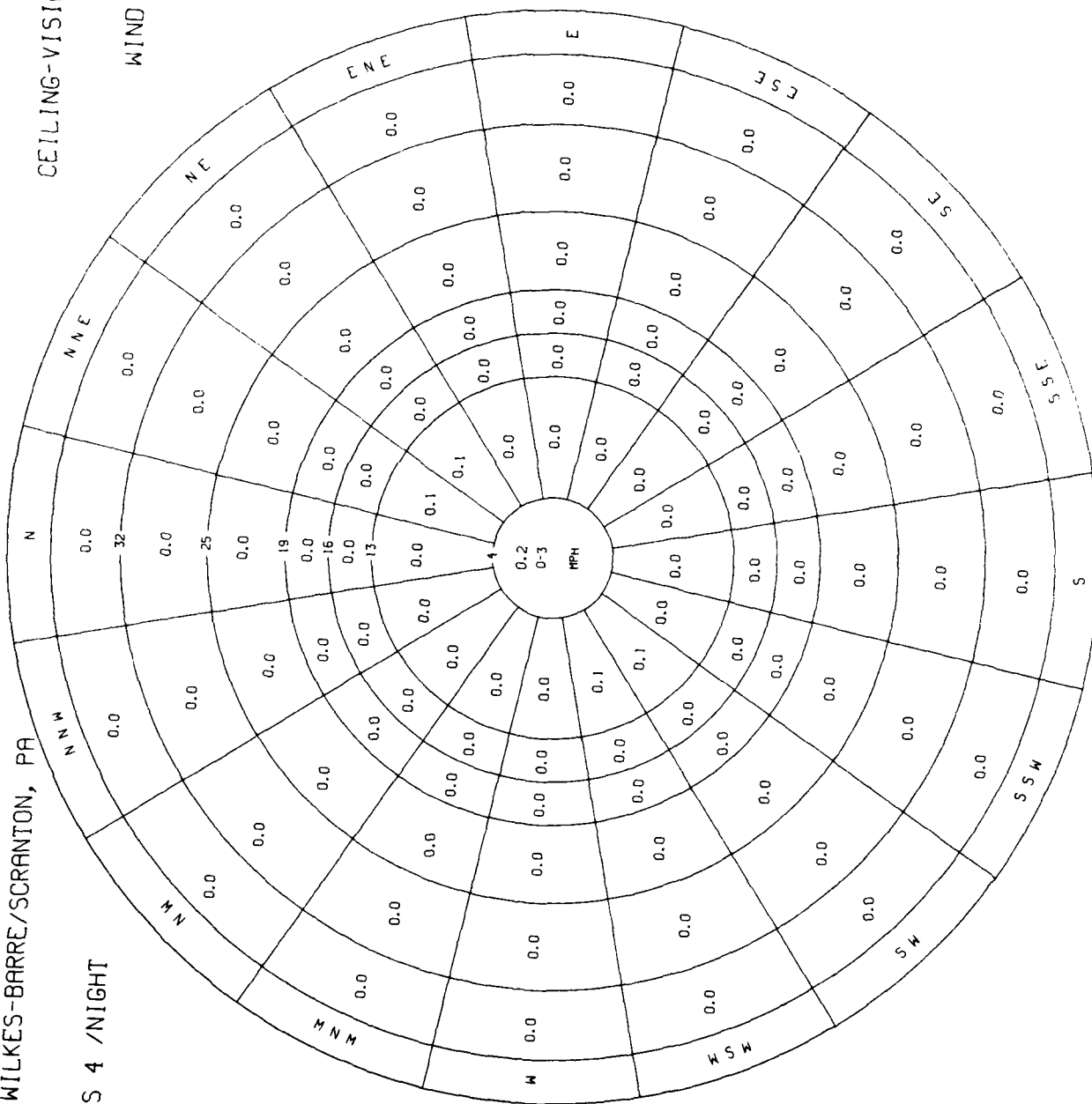
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.0	.0	4.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
NNE	.0	.7	.0	5.8	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 8.2
NE	.0	1.9	.1	7.9	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1 10.6
ENE	.0	1.9	.0	3.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 5.5
E	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
ESE	.0	1.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	1.2	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
S	.0	1.4	.0	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
SSW	.0	.7	.0	3.6	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0 5.3
SW	.0	3.1	.1	11.5	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1 15.6
WSW	.0	3.1	.1	7.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 10.8
W	.0	1.0	.0	2.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0 4.1
WNW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NW	.0	1.0	.0	2.6	.0	.2	.0	.2	.0	.5	.0	.2	.0	.0	.0 4.8
NNW	.0	.2	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
CALM	.1	10.6													.1 10.6
TOTAL	.3	31.7	.5	60.3	.0	4.8	.0	2.2	.0	.7	.0	.2	.0	.0	.8 100
															6.3

AVP WILKES-BARRE/SCRANTON, PA

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 326

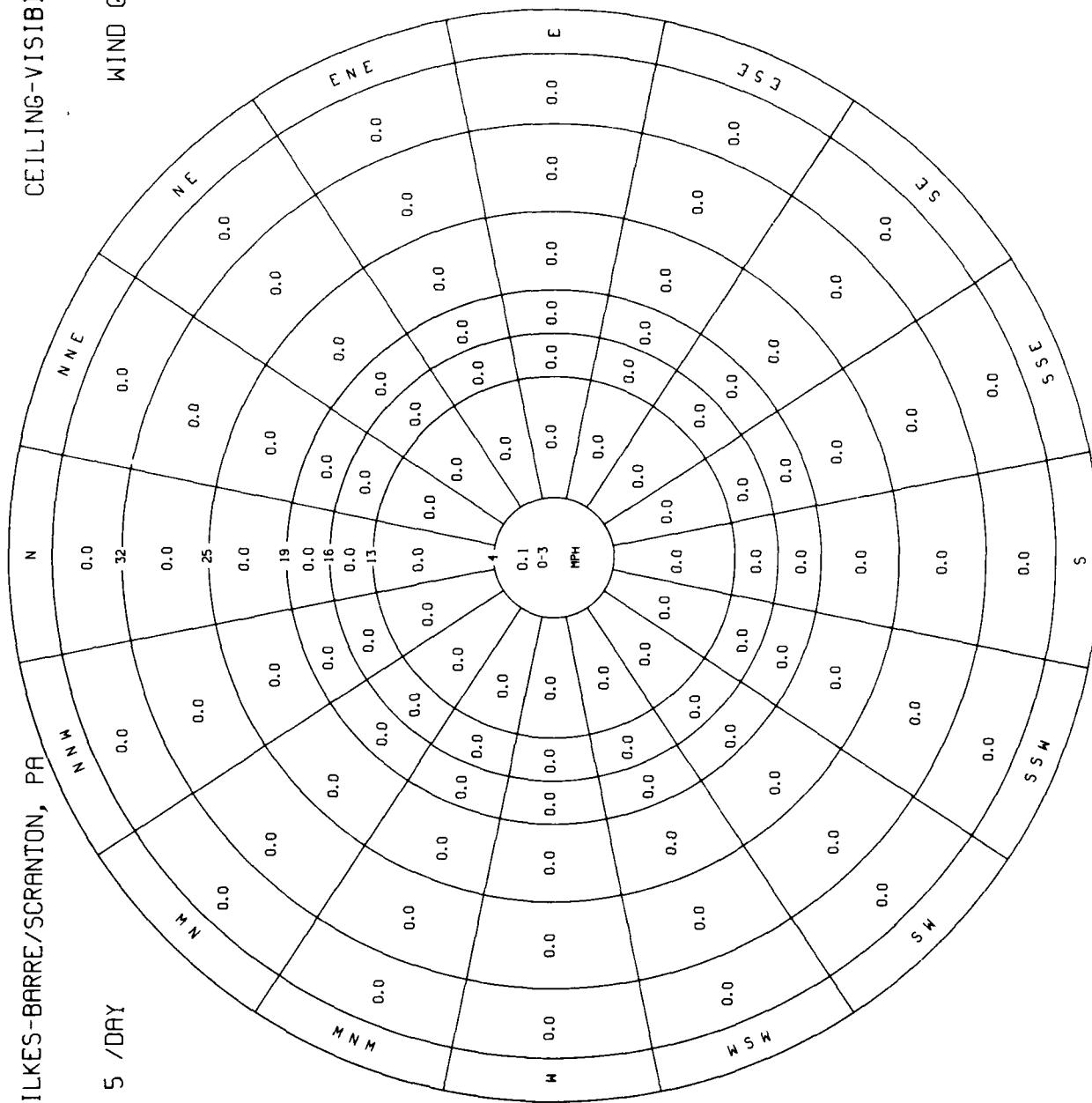
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.9	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.5
NNE	.0	.6	.1	8.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	9.5	8.0
NE	.0	1.2	.1	9.2	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	12.0	7.8
ENE	.0	1.5	.0	2.5	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	4.9	7.7
E	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.5
ESE	.0	.0	.0	2.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.8	7.6
SE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.5
SSE	.0	1.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.4
S	.0	.9	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.6
SSW	.0	2.5	.0	5.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	5.6
SW	.0	2.8	.1	10.4	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	13.8	7.3
WSW	.0	.9	.1	6.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	8.3	7.2
W	.0	1.2	.0	4.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	6.9
WNW	.0	.0	.0	1.5	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	2.8	11.8
NW	.0	.9	.0	1.2	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.8	7.2
NNW	.0	.3	.0	3.1	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.3	8.7
CALM	.1	9.8													.1	9.8	
TOTAL	.2	25.8	.6	65.3	.0	4.3	.0	4.3	.0	.3	.0	.0	.0	.0	.0	9.100	6.5

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 14777

NO. OBS.: 129

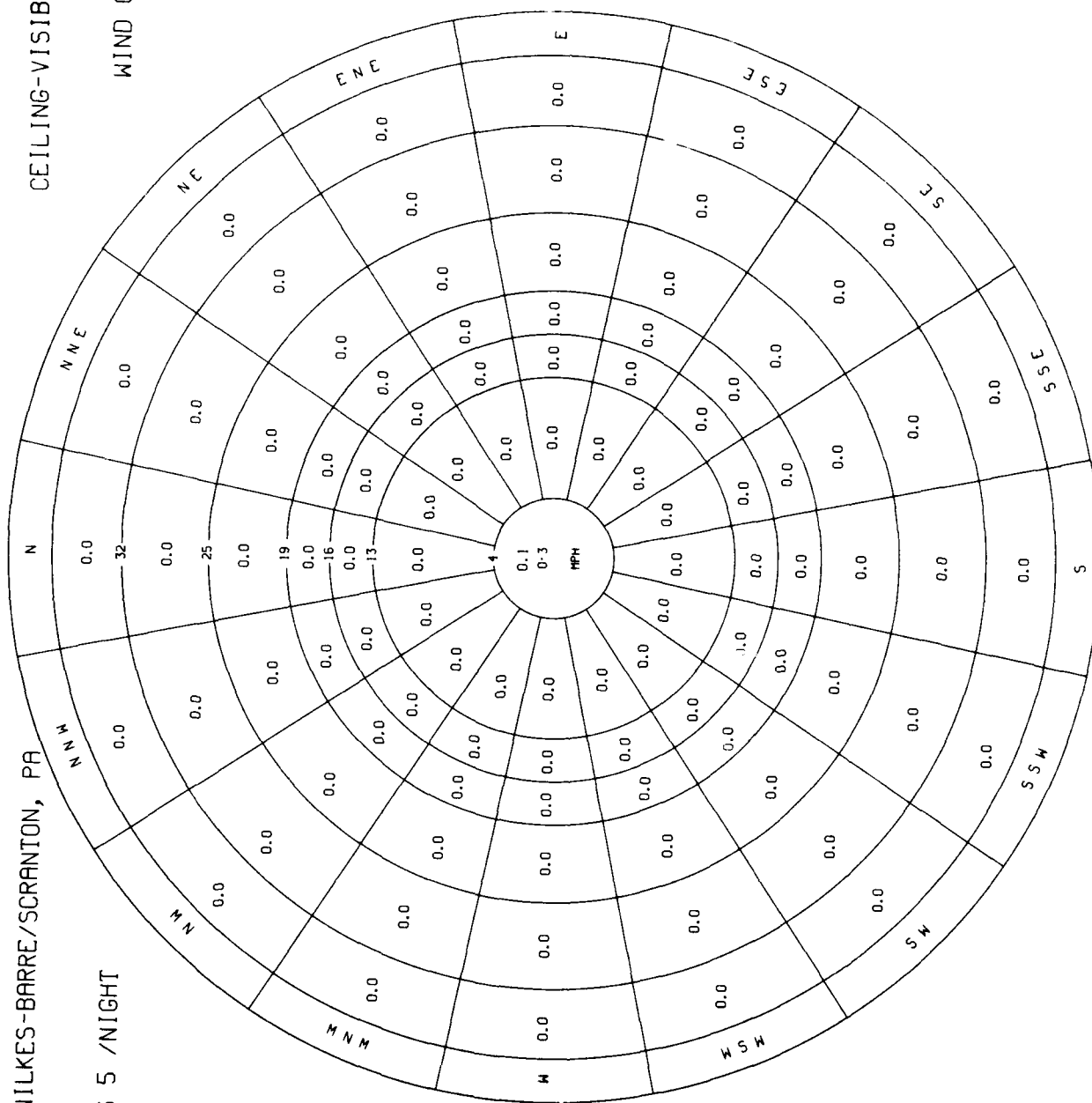
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	3.1	.0	7.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.9
NNE	.0	2.3	.0	7.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0 10.1
NE	.0	1.6	.0	7.8	.0	2.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0 13.2
ENE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
E	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
ESE	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
SE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
S	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
SSW	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
SW	.0	4.7	.0	5.4	.0	.8	.0	.0	.0	1.6	.0	.0	.0	.0	.0 12.4
WSW	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
W	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
WNW	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
NNW	.0	.0	.0	2.3	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0 3.9
CALM	.0	10.1													.0 10.1
TOTAL	.1	34.9	.1	55.8	.0	4.7	.0	3.1	.0	1.6	.0	.0	.0	.0	.3 100
															6.1

AVP WILKES-BARRE/SCRANTON, PA

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH

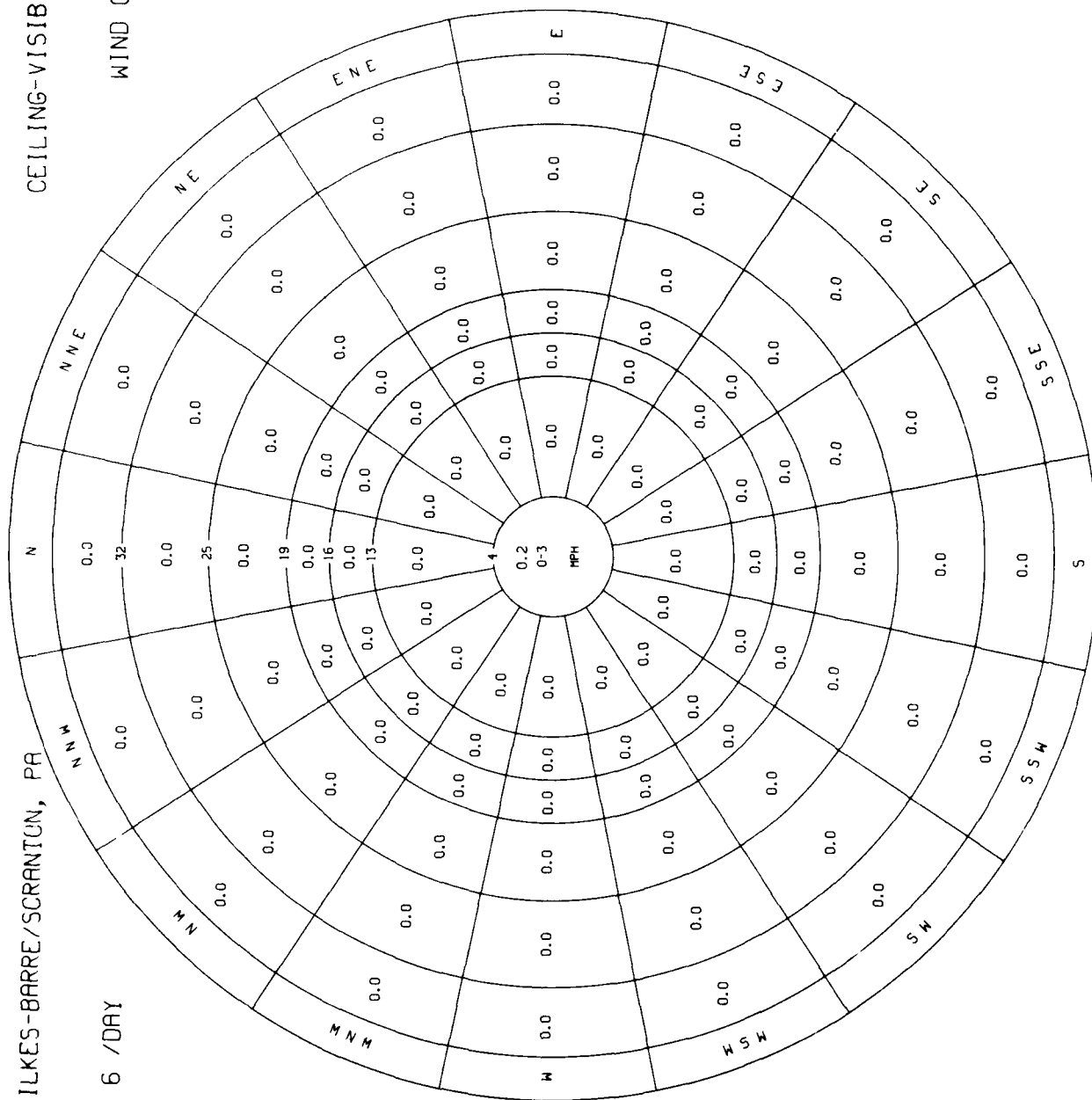


CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

CLASS 6 / DAY

NO. OBS.: 194

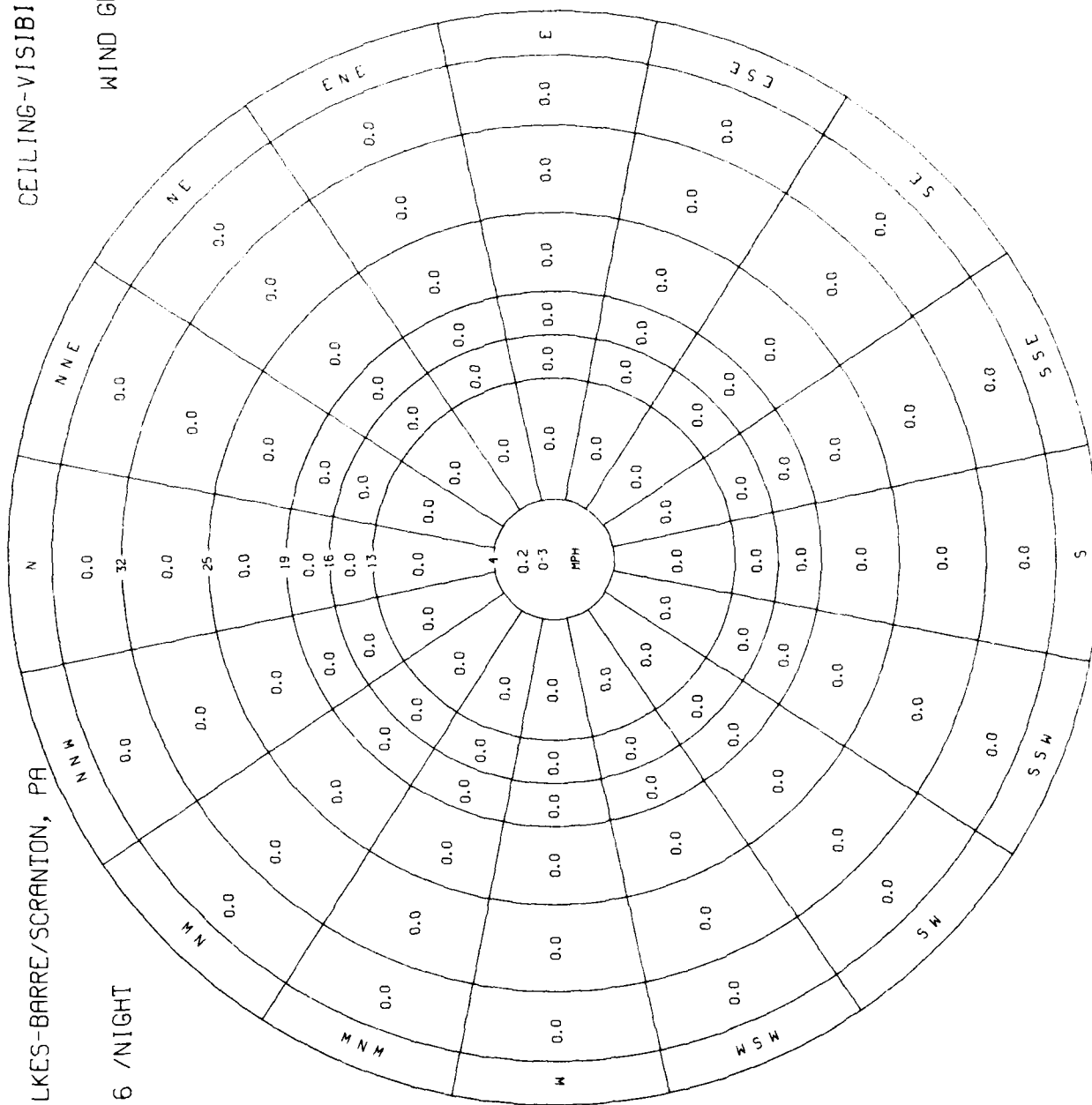
STATION NUMBER: 14777

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.1	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.6
NNE	.0	1.5	.0	2.1	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	5.7
NE	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
ENE	.0	2.6	.0	3.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	6.7
E	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
ESE	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
SE	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
SSE	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
S	.0	1.0	.0	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2
SSW	.0	2.6	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4
SW	.0	2.6	.0	8.8	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	7.7
WSW	.0	2.6	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
W	.0	1.0	.0	3.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.6
WNW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
NW	.0	2.6	.0	2.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	5.8
NNW	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
CALM	.1	18.6													18.6
TOTAL	.2	49.5	.2	45.4	.0	2.6	.0	1.0	.0	1.0	.0	.0	.0	.5	4.7

AVP WILKES-BARRE/SCRANTON, PA

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVE WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 119

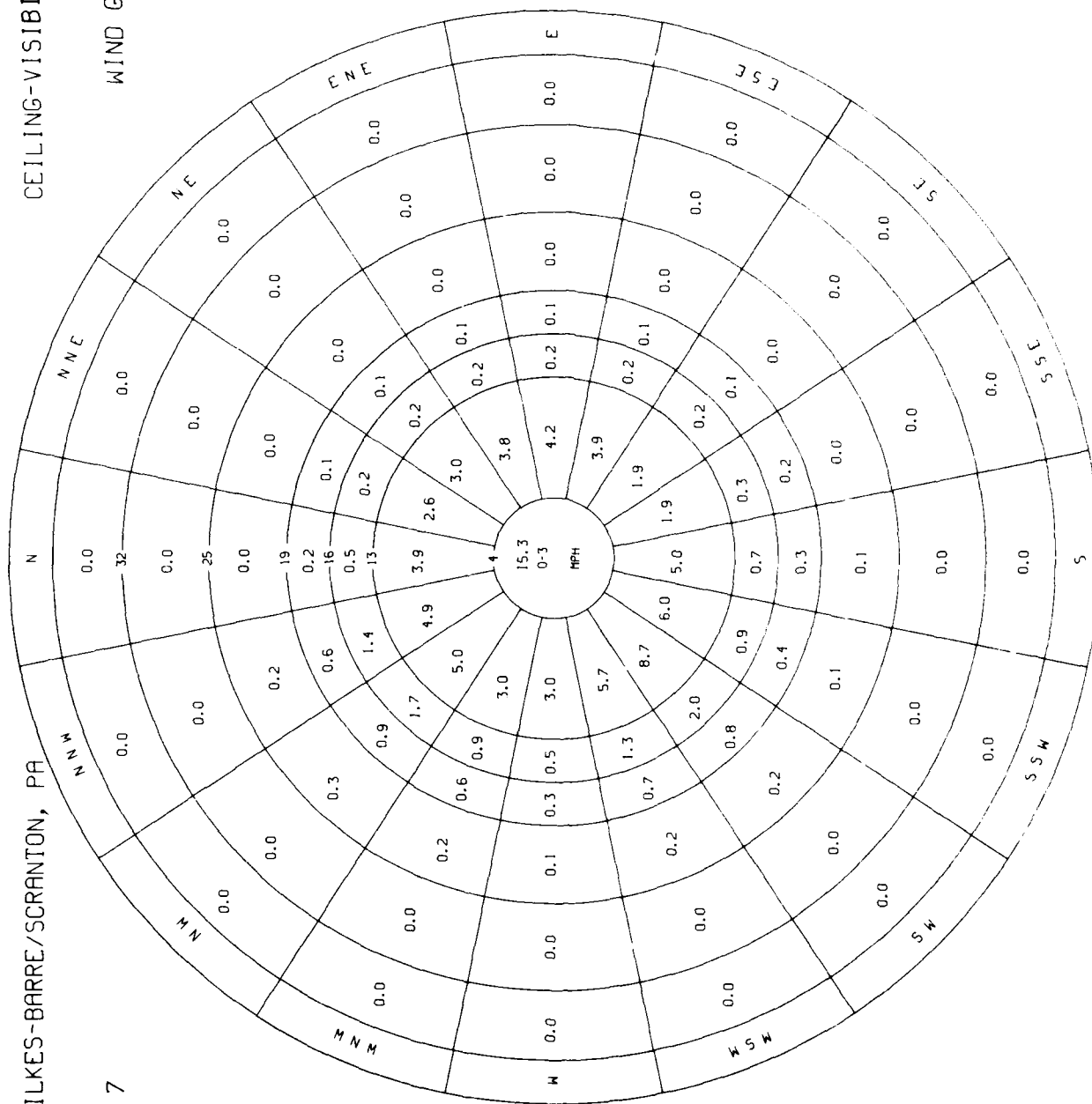
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
NNE	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
NE	.0	2.5	.0	.8	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	5.0
ENE	.0	2.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
E	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
ESE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
SE	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
SSE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
S	.0	4.2	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8
SSW	.0	.8	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
SW	.0	2.5	.0	10.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.4
WSW	.0	5.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8
W	.0	3.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
WNW	.0	1.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
NNW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7
CALM	.1	19.3													19.3
TOTAL	.2	50.4	.1	47.9	.1	.8	.0	.0	.0	.8	.0	.0	.0	.0	3 100
															4.3

CEILING-VISIBILITY

WIND GRAPH

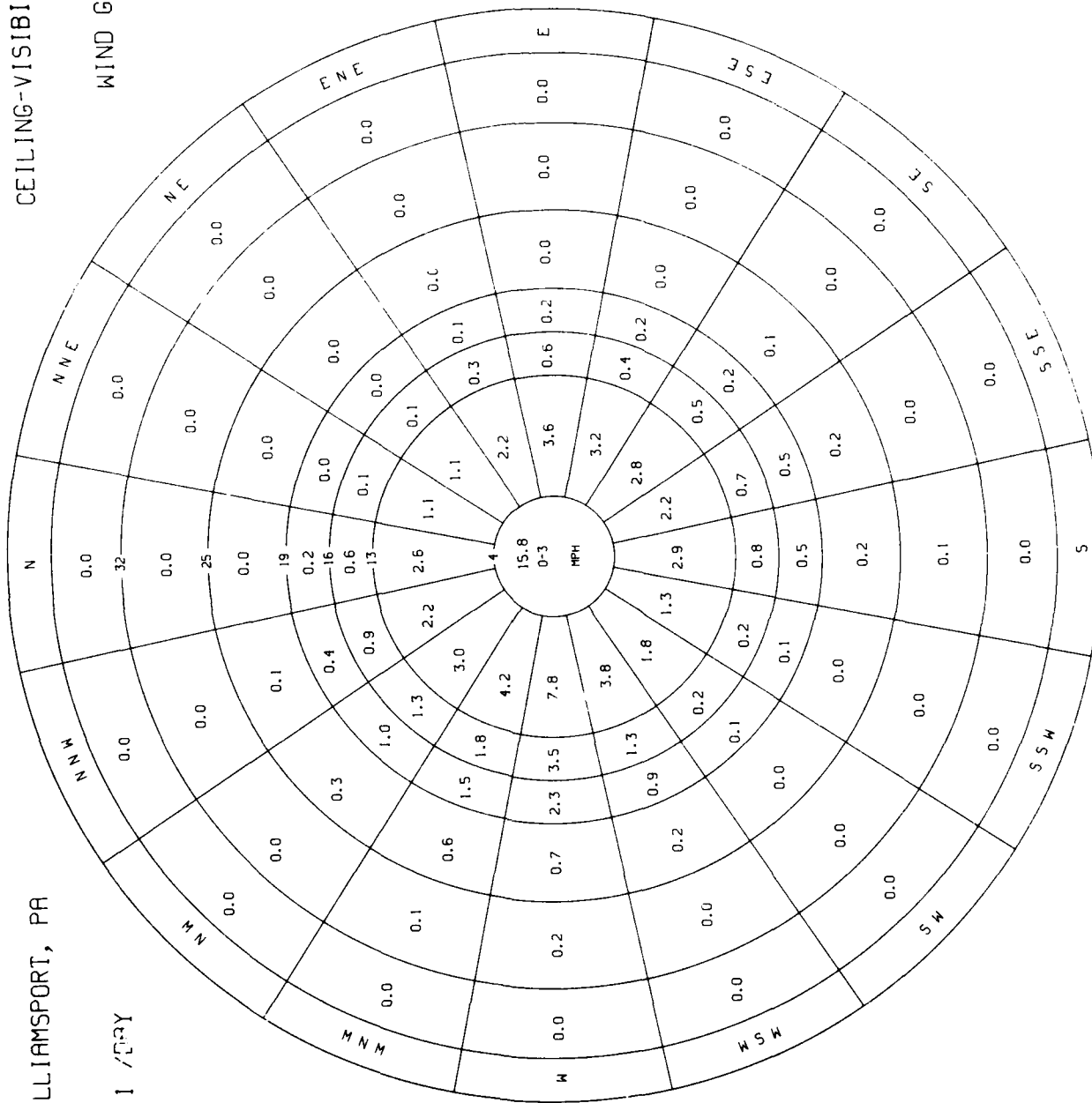
AVP WILKES-BARRE/SCRANTON, PA

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



IPT WILLIAMSPORT, PA

CLASS 1 /ERY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 1 / DAY

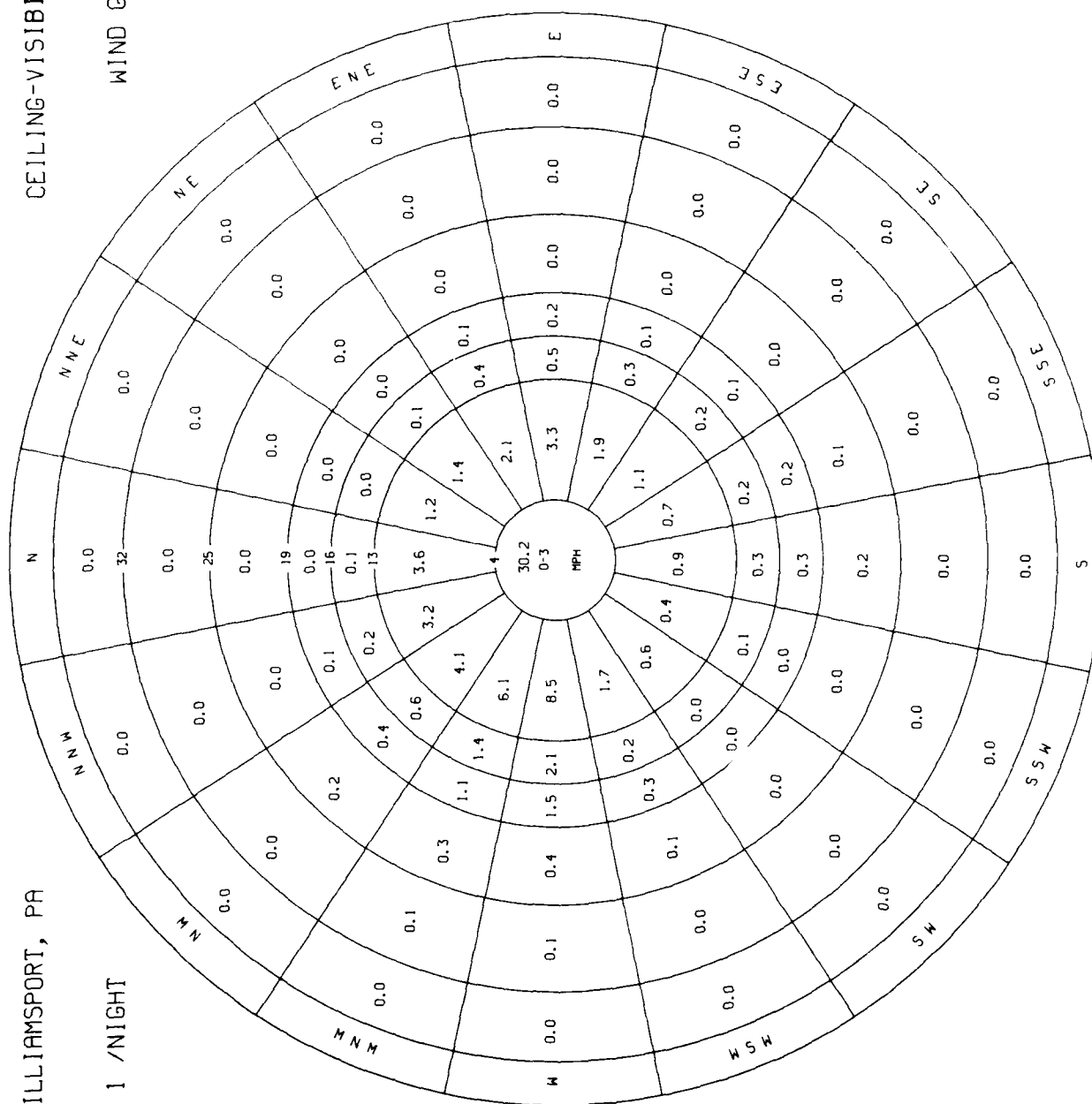
STATION NUMBER: 14778

NO. OBS.: 31114

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.6	.6	2.6	3.1	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	4.0 4.7
NNE	.3	.4	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.8
NE	.5	.6	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.0
ENE	.4	.4	2.2	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.9 3.4
E	.7	.8	3.6	4.1	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	5.1 6.0
ESE	.4	.5	3.2	3.7	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	4.3 5.0
SE	.6	.7	2.8	3.3	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.2 4.8
SSE	.4	.5	2.2	2.6	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	4.0 4.7
S	.6	.7	2.9	3.4	.8	.9	.5	.6	.2	.2	.1	.1	.0	.0	5.1 5.9
SSW	.4	.5	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0 2.3
SW	.6	.8	1.8	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8 3.2
WSW	.5	.6	3.8	4.5	1.3	1.5	.9	1.0	.2	.2	.0	.1	.0	.0	6.8 7.8
W	.9	1.1	7.8	9.1	3.5	4.0	2.3	2.6	.7	.8	.2	.2	.0	.0	15.3 17.8
WNW	.6	.6	4.2	4.9	1.8	2.1	1.5	1.7	.6	.7	.1	.1	.0	.0	8.8 10.2
NW	.6	.7	3.0	3.5	1.3	1.5	1.0	1.2	.3	.3	.0	.1	.0	.0	6.3 7.3
NNW	.4	.4	2.2	2.6	.9	1.0	.4	.5	.1	.1	.0	.0	.0	.0	4.0 4.6
CALM	7.2	8.4													7.2 8.4
TOTAL	15.8	18.3	46.0	53.4	13.2	15.4	8.2	9.6	2.3	2.7	.5	.6	.0	.0	86.1 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: IPT WILLIAMSPORT, PA

CLASS 1 / NIGHT

NO. OBS.: 23634

STATION NUMBER: 14778

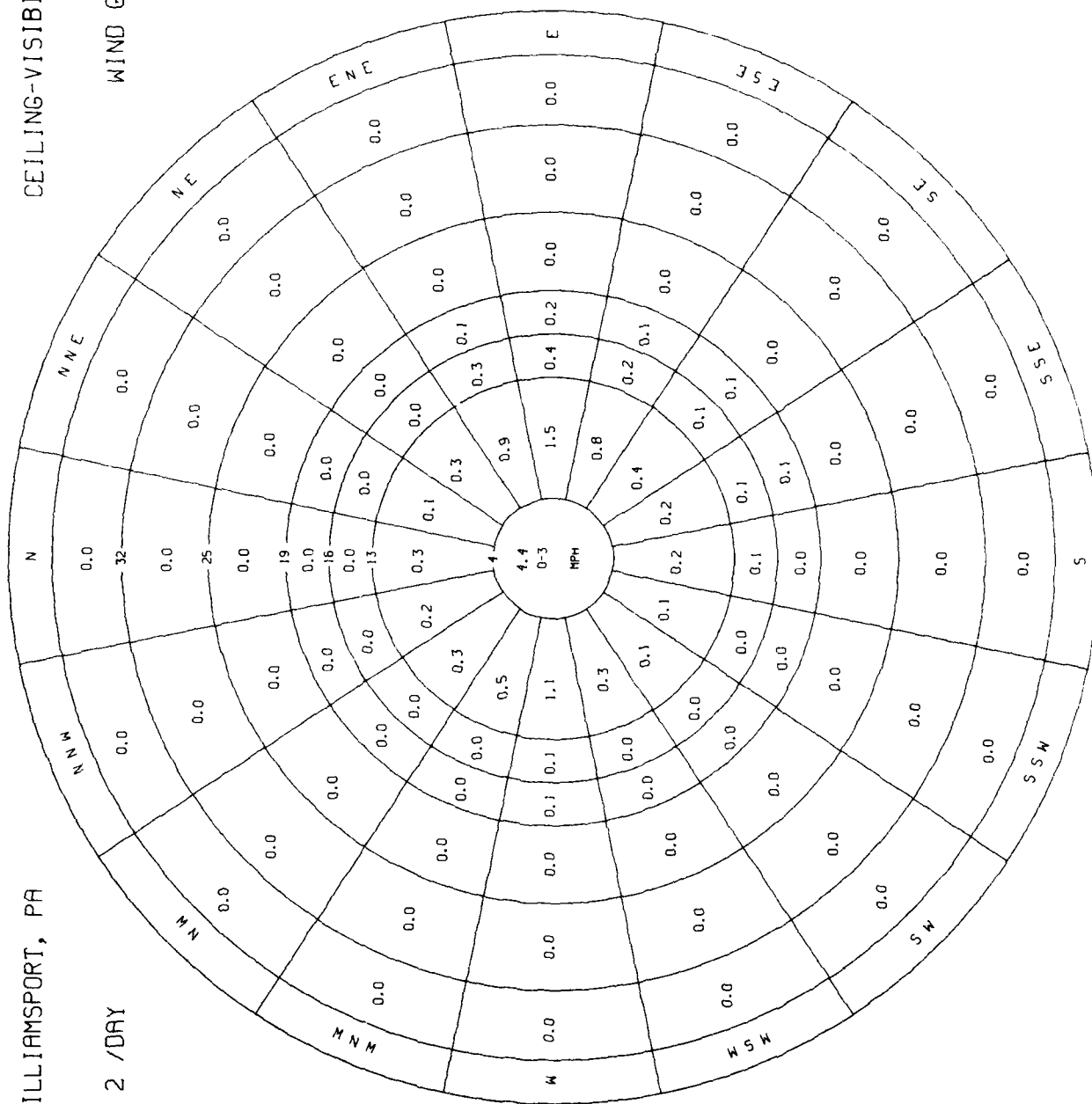
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.7	2.0	3.6	4.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.4	5.3
NNE	.8	.9	1.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.4	5.2
NE	.8	.9	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.7	5.9
ENE	.3	.4	2.1	2.5	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.0	3.6	8.7
E	.5	.6	3.3	3.9	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	4.5	5.4	8.6
ESE	.3	.4	1.9	2.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.1	8.7
SE	.3	.4	1.1	1.3	.2	.2	.1	.2	.0	.1	.0	.0	.0	.0	1.9	2.2	8.6
SSE	.2	.2	.7	.9	.2	.3	.2	.3	.1	.1	.0	.0	.0	.0	1.5	1.8	11.2
S	.4	.5	.9	1.1	.3	.3	.3	.3	.2	.2	.0	.0	.0	.0	2.0	2.4	10.5
SSW	.2	.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	7.2
SW	.3	.4	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	6.2
WSW	.4	.5	1.7	2.0	.2	.3	.3	.3	.1	.1	.0	.0	.0	.0	2.7	3.3	8.9
W	1.1	1.3	8.5	10.0	2.1	2.4	1.5	1.8	.4	.5	.1	.1	.0	.0	13.6	16.1	10.2
WNW	1.2	1.4	6.1	7.2	1.4	1.7	1.1	1.3	.3	.4	.1	.1	.0	.0	10.1	12.0	9.7
NW	1.8	2.2	4.1	4.9	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	7.2	8.6	7.6
NNW	1.2	1.5	3.2	3.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.7	5.6	6.1
CALM	18.7	22.2													18.7	22.2	
TOTAL	30.2	35.9	40.8	48.6	6.7	7.9	4.6	5.5	1.4	1.7	.3	.3	.0	.0	84.1	100	6.6

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 2 / DAY

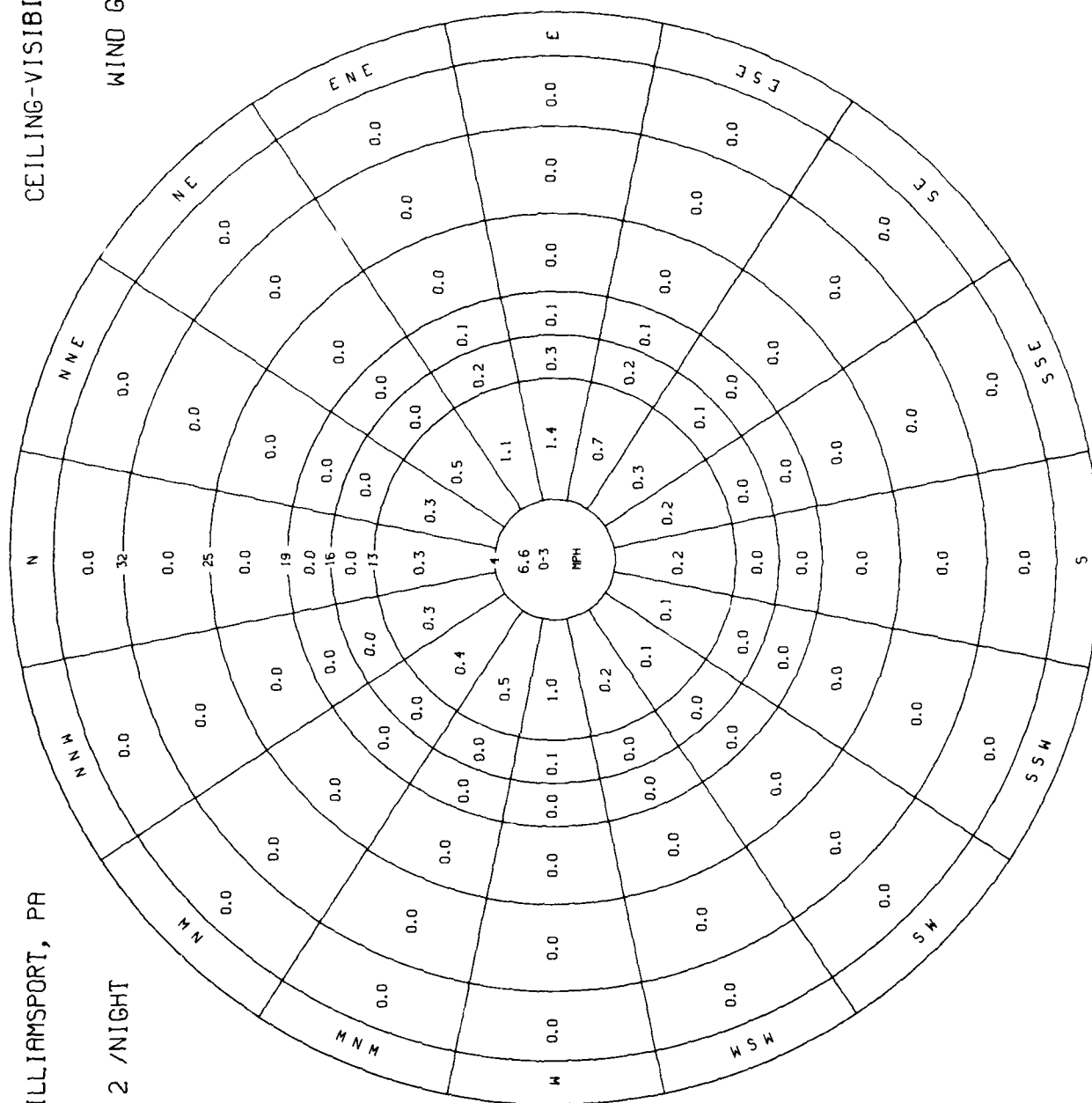
STATION NUMBER: 14778

NO. OBS.: 5042

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.1	.9	.3	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0	5.3
NNE	.1	.5	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	5.2
NE	.1	.6	.3	2.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	8.0
ENE	.1	.5	.9	6.1	.3	1.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	1.3	9.1	10.0
E	.2	1.2	1.5	10.5	.4	2.6	.2	1.1	.0	.1	.0	.0	.0	.0	.0	.0	2.2	15.5	9.6
ESE	.1	.9	.8	5.5	.2	1.4	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	1.2	8.7	9.3
SE	.1	.7	.4	3.1	.1	.9	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.7	5.3	9.2
SSE	.1	.6	.2	1.4	.1	.7	.1	.4	.0	.4	.0	.1	.0	.0	.0	.0	.5	3.5	10.9
S	.1	.6	.2	1.8	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4	3.2	9.0
SSW	.1	.5	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	5.6
SW	.1	.6	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.2
WSW	.1	1.0	.3	2.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6	6.4
W	.3	1.8	1.1	7.6	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	1.5	10.7	7.6
WNW	.2	1.4	.5	3.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.7	5.3	6.6
NW	.2	1.3	.3	2.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.9	5.8
NNW	.1	.6	.2	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	5.8
CALM	2.5	18.1															2.5	18.1	
TOTAL	4.4	31.6	7.4	52.9	1.3	9.6	.6	4.4	.2	1.2	.0	.2	.0	.0	.0	.0	13.9	100	6.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 4471

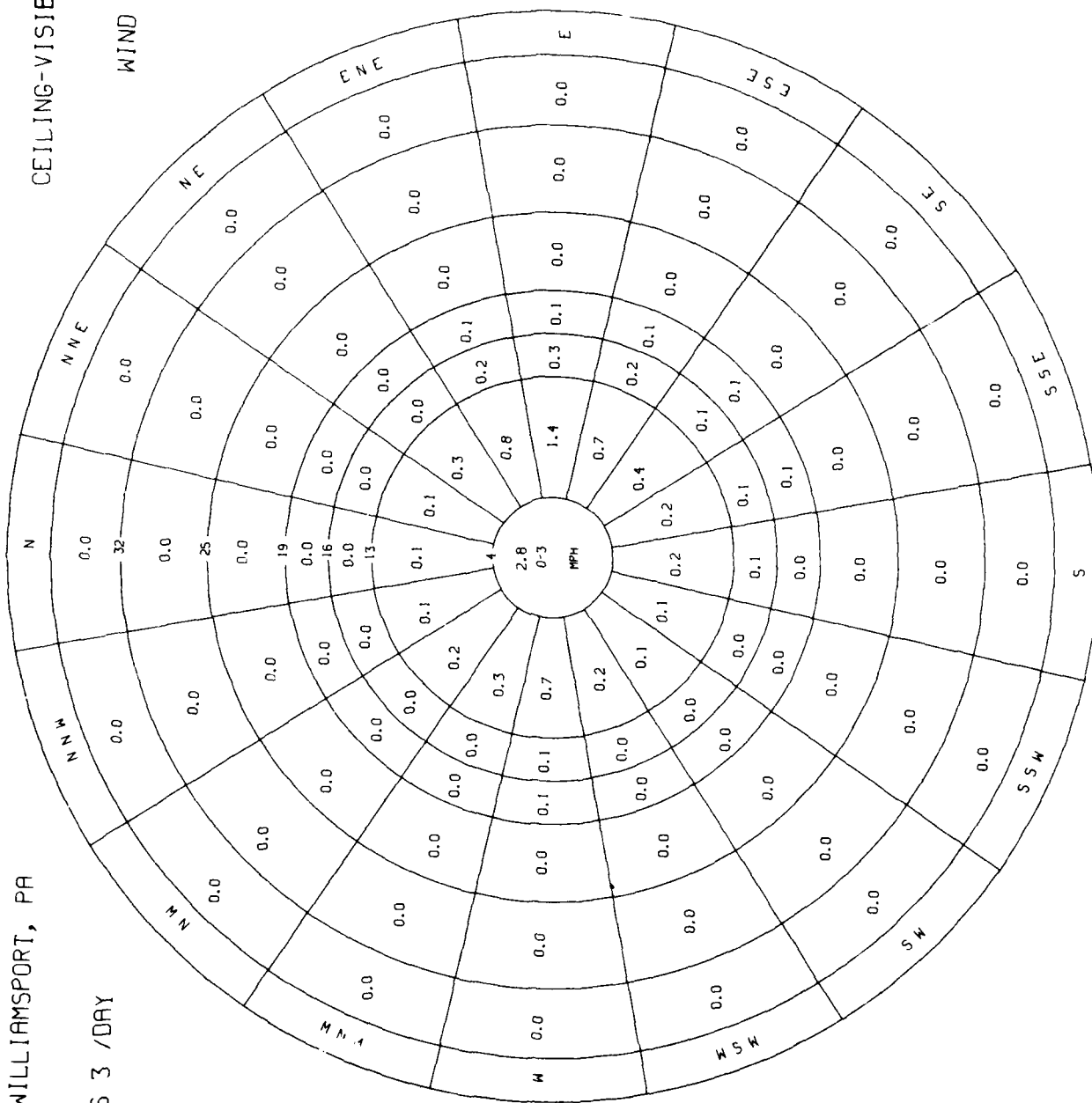
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.5	.3	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 3.6
NNE	.1	.5	.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.2
NNE	.1	.8	.5	2.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.0
ENE	.1	.5	1.1	7.2	.2	1.5	.1	.4	.0	.0	.0	.0	.0	.0	1.5 9.7
E	.2	1.2	1.4	8.7	.3	2.1	.1	.9	.0	.1	.0	.0	.0	.0	2.1 13.0
ESE	.1	.5	.7	4.3	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	1.0 6.6
SE	.1	.5	.3	2.2	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.4
SSE	.1	.4	.2	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.1
S	.1	.4	.2	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.0
SSW	.1	.4	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.0
SW	.1	.5	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
WSW	.1	.5	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.1
W	.2	1.5	1.0	6.4	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	1.4 8.8
WNW	.1	.9	.5	3.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.7 4.6
NW	.3	1.7	.4	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.1
NNW	.1	.8	.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.7
CALM	4.6	28.6													4.6 28.6
TOTAL	6.6	41.4	7.6	47.7	1.1	6.9	.5	3.2	.1	.6	.0	.1	.0	.0	15.9 100
															5.6

IPT WILLIAMSPORT, PA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 3 / DAY

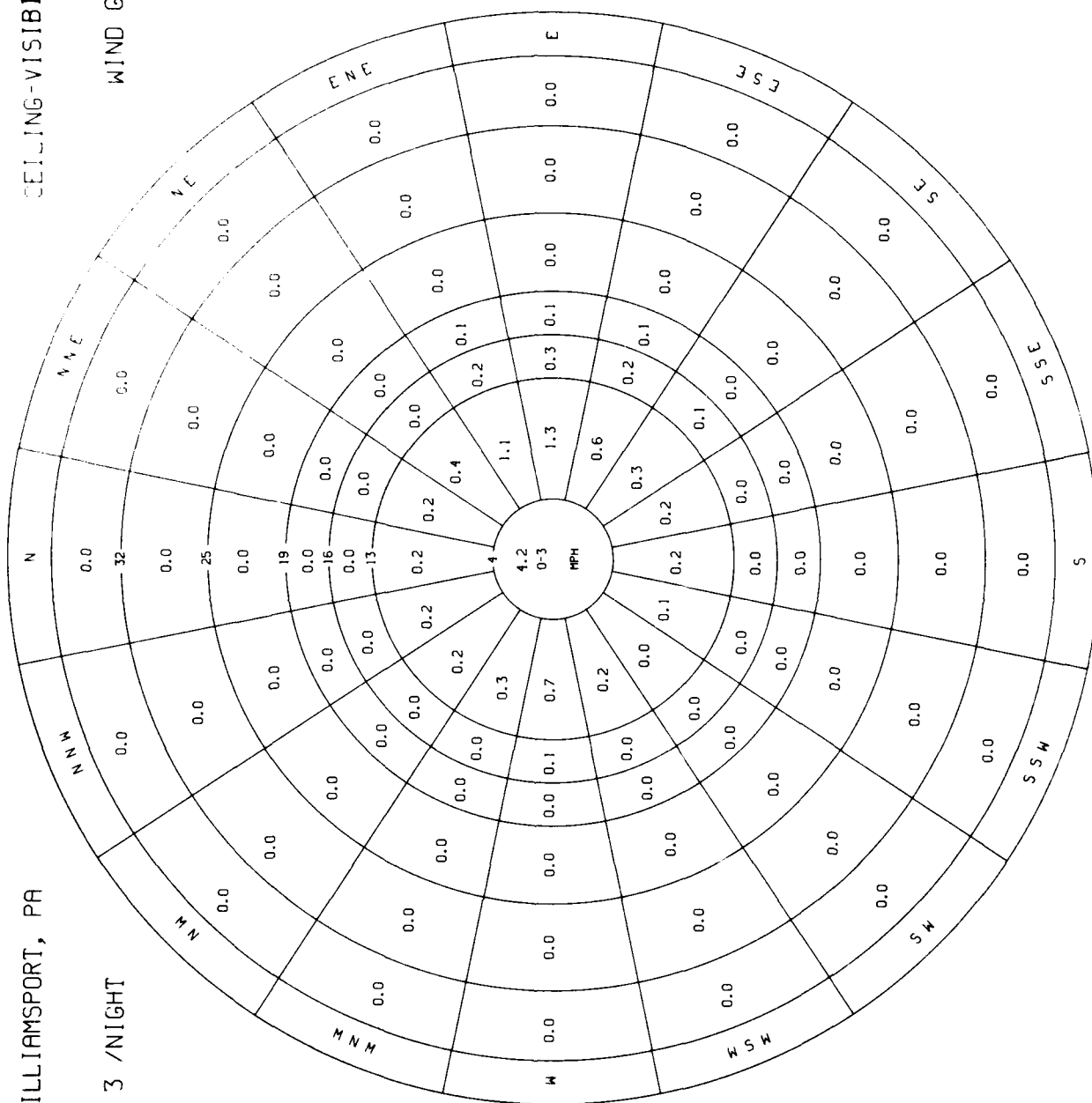
STATION NUMBER: 14778

NO. OBS.: 3919

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.1	1.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
NNE	.0	.2	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
NNE	.1	.6	.3	3.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 4.1
ENE	.1	.6	.8	7.5	.2	2.2	.1	.6	.0	.2	.0	.0	.0	.0	1.2 11.0
E	.1	1.3	1.4	12.8	.3	3.1	.1	1.4	.0	.1	.0	.0	.0	.0	2.0 18.7
ESE	.1	1.0	.7	6.7	.2	1.7	.1	.8	.0	.2	.0	.1	.0	.0	1.1 10.4
SE	.1	.8	.4	3.8	.1	1.1	.1	.6	.0	.1	.0	.0	.0	.0	.7 6.4
SSE	.1	.6	.2	1.6	.1	.9	.1	.5	.0	.5	.0	.1	.0	.0	.5 4.2
S	.1	.6	.2	2.0	.1	.5	.0	.4	.0	.2	.0	.1	.0	.0	.4 3.8
SSW	.0	.5	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
SW	.0	.5	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
WSW	.1	.7	.2	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.3
W	.1	1.3	.7	6.8	.8	.8	.1	.5	.0	.1	.0	.0	.0	.0	1.0 9.5
WNW	.1	.8	.3	2.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.8
NW	.1	.9	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.7
NNW	.0	.4	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
CALM	1.6	14.8													1.6 14.8
TOTAL	2.8	26.1	6.0	55.5	1.2	11.4	.6	5.3	.1	1.4	.0	.2	.0	.0	10.8 100
															7.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 14778

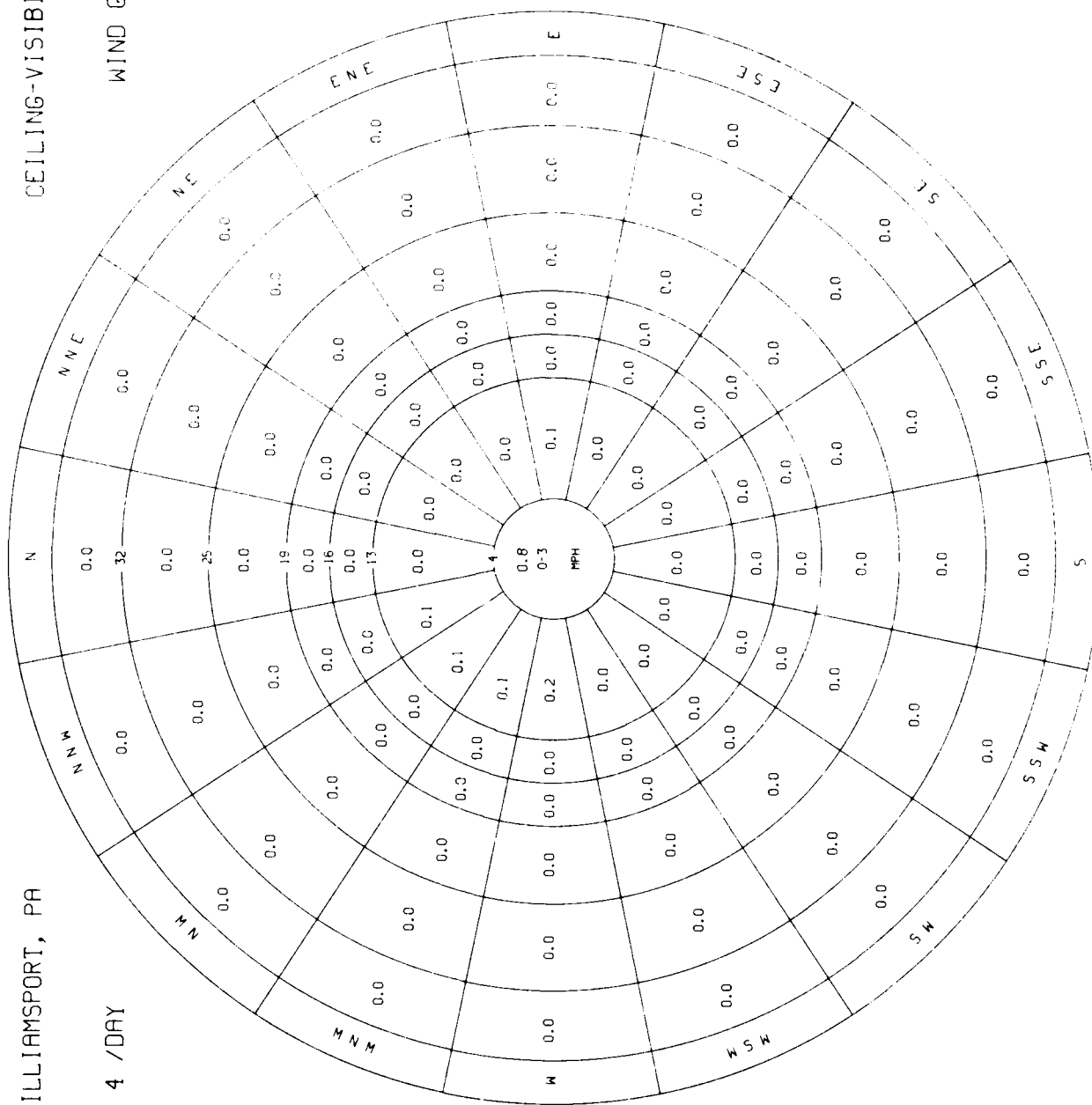
NO. OBS.: 3383

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.2	.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.2
NNE	.0	.3	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.1
NE	.1	.8	.4	3.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.8
ENE	.1	.5	1.1	8.7	.2	1.9	.1	.6	.0	.1	.0	.0	.0	.0	1.4 11.8
E	.1	1.2	1.3	10.5	.3	2.5	.1	1.2	.0	.1	.0	.0	.0	.0	1.9 15.5
ESE	.1	.4	.6	5.3	.2	1.4	.1	.7	.0	.2	.0	.0	.0	.0	1.0 8.0
SE	.1	.6	.3	2.7	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.5 4.2
SSE	.0	.4	.2	1.4	.0	.3	.0	.3	.0	.0	.0	.1	.0	.0	.3 2.5
S	.1	.5	.2	1.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.5
SSW	.0	.3	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.0
SW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
WSW	.0	.3	.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
W	.1	1.2	.7	6.2	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	1.0 8.4
WNW	.1	.7	.3	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5 4.0
NW	.2	1.4	.2	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.5
NNW	.1	.7	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.1
CR LM	2.9	24.0													2.9 24.0
TOTAL	4.2	35.1	6.2	51.6	1.0	8.4	.5	4.0	.1	.7	.0	.2	.0	.0	12.0 100

IPT WILLIAMSPORT, PA

CLASS 4 / DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 14778

NO. OBS.: 616

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
NNE	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
NE	.0	.0	.0	.8	.0	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0 1.5
ENE	.0	.5	.0	1.9	.0	1.1	.0	.0	.0	.3	.0	.0	.0	.0	.1 3.9
E	.0	1.6	.1	3.2	.0	1.0	.0	.5	.0	.3	.0	.0	.0	.0	.1 6.7
ESE	.0	.5	.0	1.9	.0	.3	.0	.2	.0	.0	.0	.2	.0	.0	.1 3.1
SE	.0	.5	.0	1.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.8
SSE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
S	.0	.5	.0	1.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.8
SSW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SW	.0	.8	.0	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
WSW	.0	1.5	.0	2.8	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1 4.4
W	.1	3.4	.2	12.5	.0	1.1	.0	.2	.0	.0	.0	.2	.0	.0	.3 17.4
WNW	.0	2.9	.1	8.2	.0	.2	.0	.2	.0	.2	.0	.2	.0	.0	.2 11.9
NW	.0	2.3	.1	3.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.2
NNW	.0	1.0	.1	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.5
CALM	.5	26.2													.5 26.8
TOTAL	.5	45.6	.8	46.6	.1	4.7	.0	1.6	.0	1.0	.0	.5	.0	.0	1.7 100

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81 DOT-FA79VAI-057

JUN 81

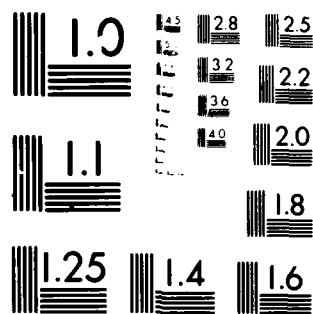
DOI-FA79WAI-057

ML

UNCLASSIFIED

315
40812

0815



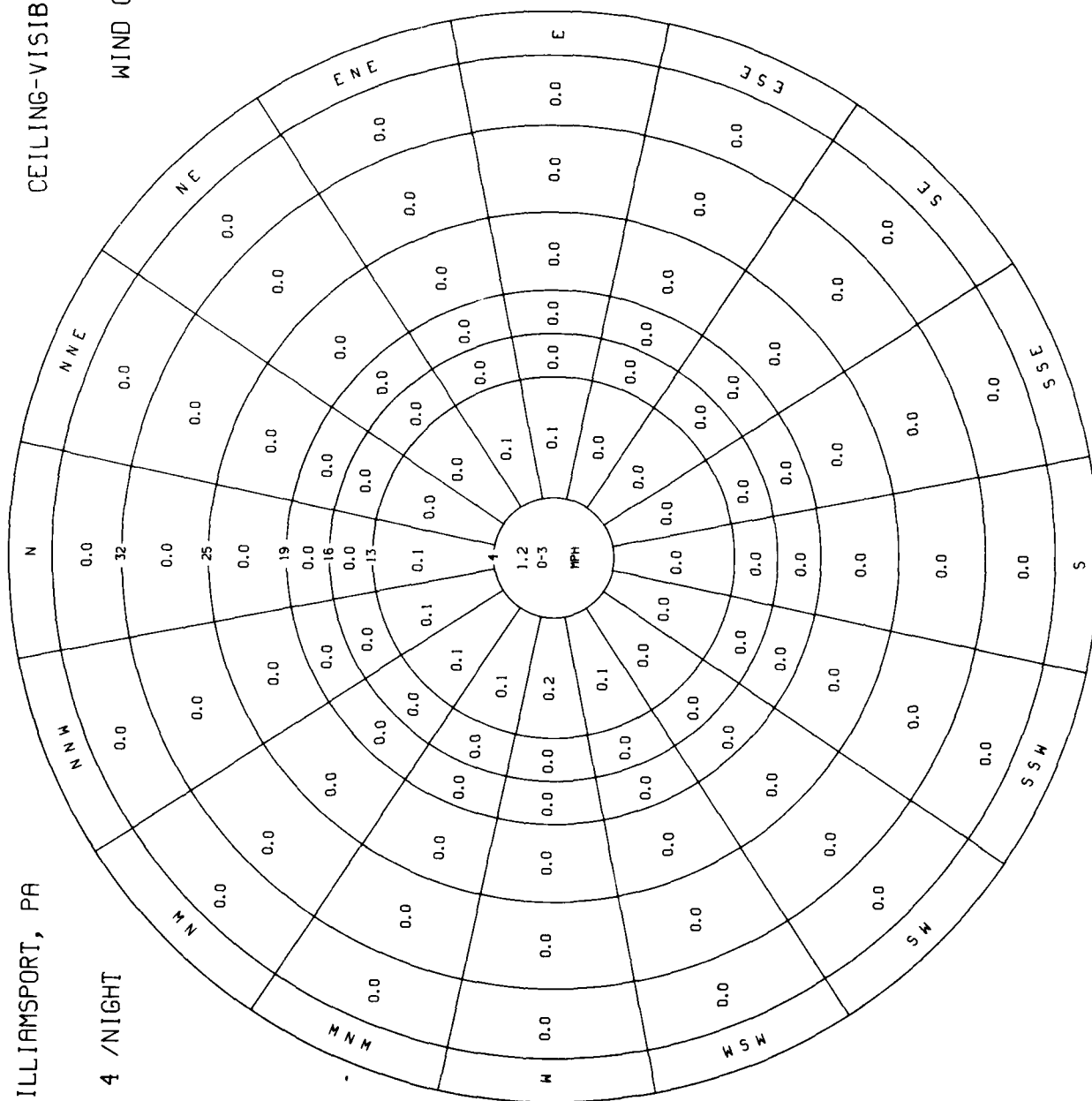
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 622

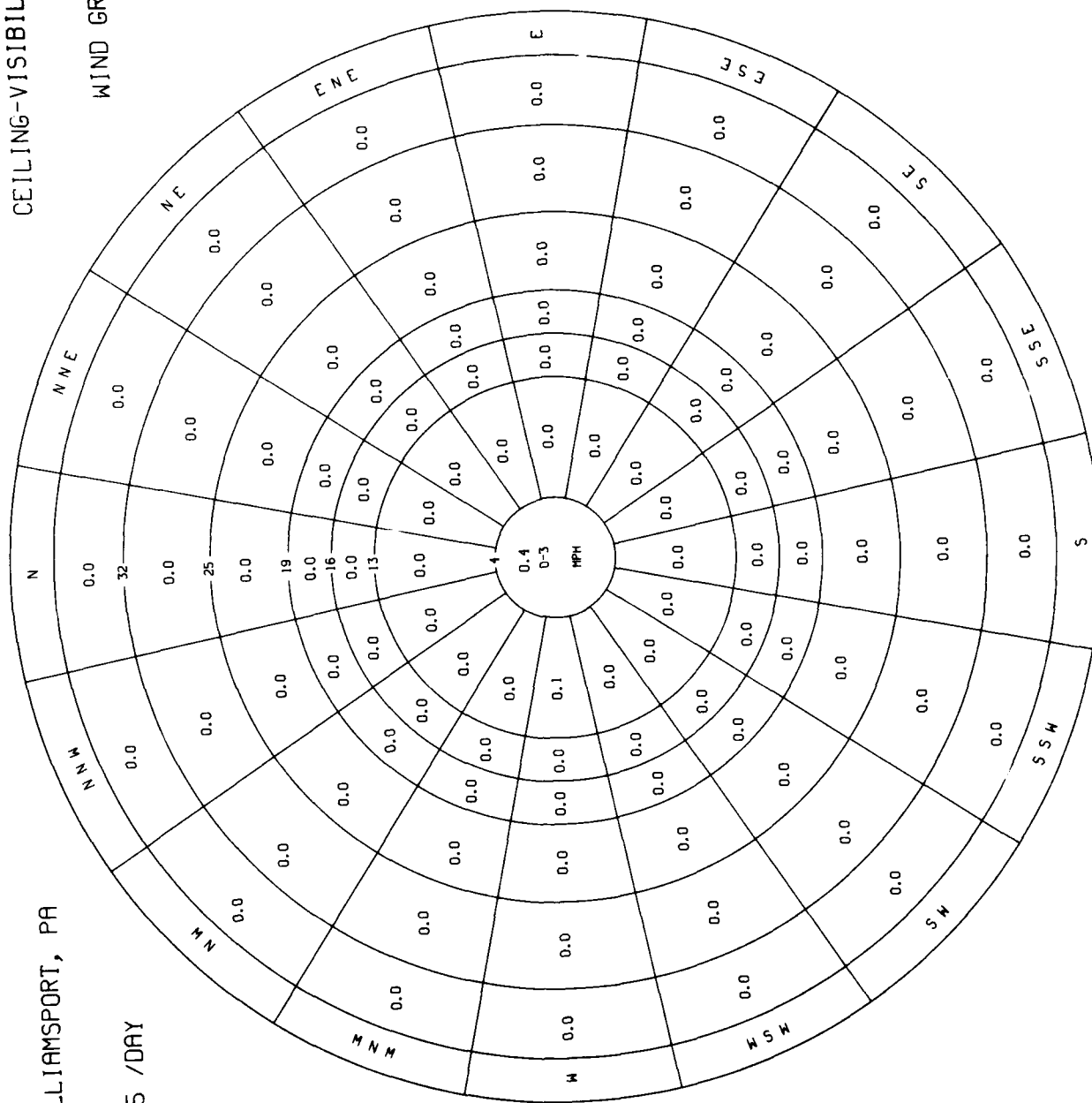
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.6	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	4.5
NNE	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	4.7
NE	.0	.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.1
ENE	.0	.5	.1	4.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	8.2
E	.0	1.3	.1	4.8	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.2	7.9	8.2
ESE	.0	.5	.0	1.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.1	2.7	8.6
SE	.0	.2	.0	.6	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.0	7.7
SSE	.0	.3	.0	.2	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.0	10.0
S	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.5
SSW	.0	.5	.0	.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	5.7
SW	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.6
WSW	.0	1.4	.1	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	5.5
W	.1	2.4	.2	9.5	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.3	12.9	7.2
WNW	.0	1.3	.1	4.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.3	6.4
NW	.0	2.1	.1	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.3	5.6
NNW	.0	.8	.1	3.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	5.5
CALM	.8	36.7													.8	36.7	
TOTAL	1.2	52.6	.9	41.8	.1	3.7	.0	1.6	.0	.3	.0	.0	.0	.0	2.2	100	4.2

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 14778

NO. OBS.: 252

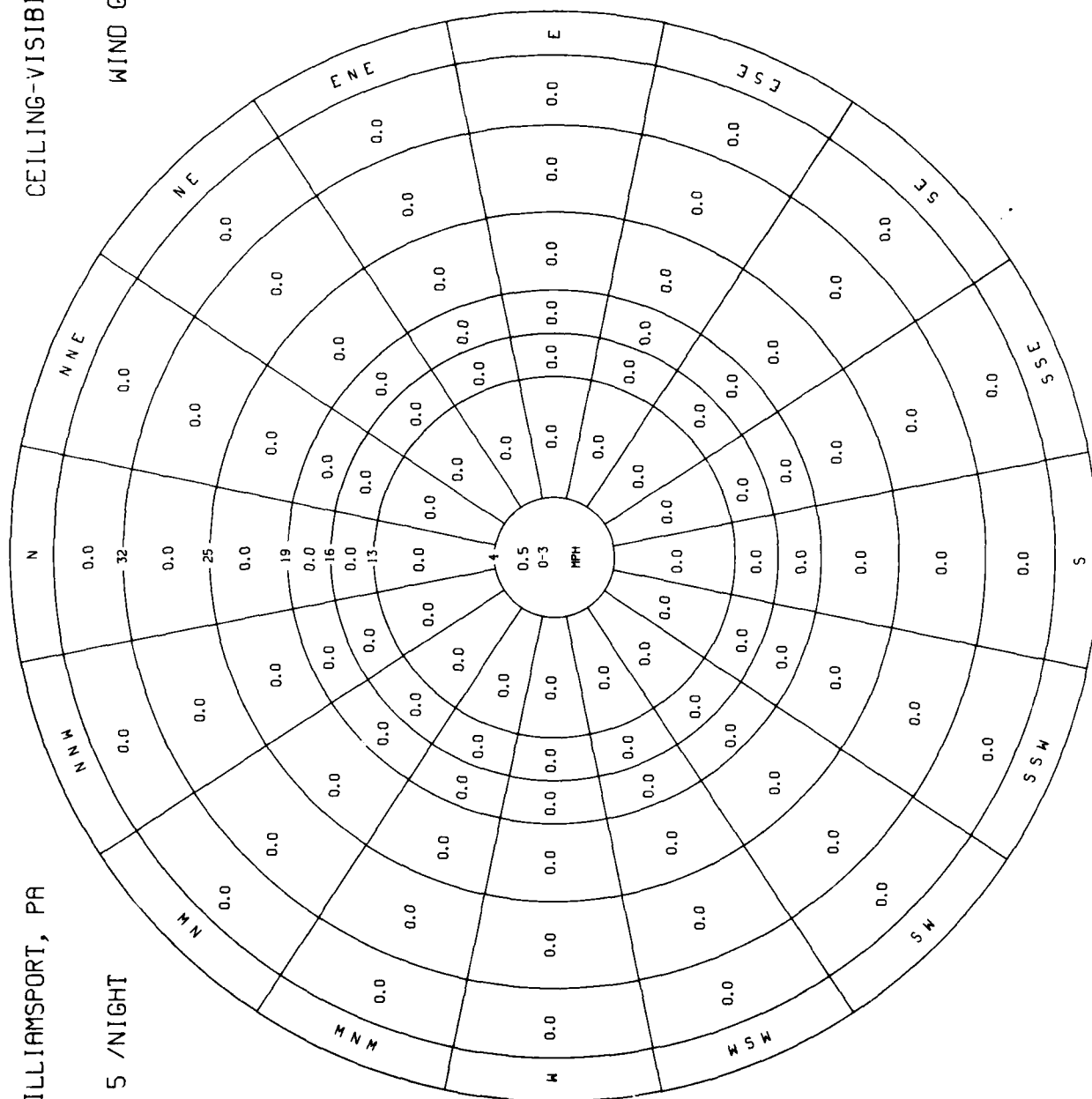
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	3.6	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.7	5.0
NNE	.0	2.4	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4.5
NE	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.5
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.0
E	.0	.0	.0	1.6	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.4	11.0
ESE	.0	1.2	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.0
SE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
S	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
SSW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
SW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.7
WSW	.0	2.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.2
W	.0	3.2	.1	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.9	5.7
WNW	.0	3.2	.0	4.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	8.3	5.7
NW	.0	2.4	.0	6.7	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	10.3	6.5
NNW	.0	1.6	.0	2.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.4	5.7
CALM	.2	31.7													.2	31.7	
TOTAL	.4	53.6	.3	42.9	.0	2.0	.0	1.2	.0	.4	.0	.0	.0	.0	.7	100	3.8

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: IPT WILLIAMSPORT, PA

CLASS 5 / NIGHT

NO. OBS.: 189

STATION NUMBER: 14778

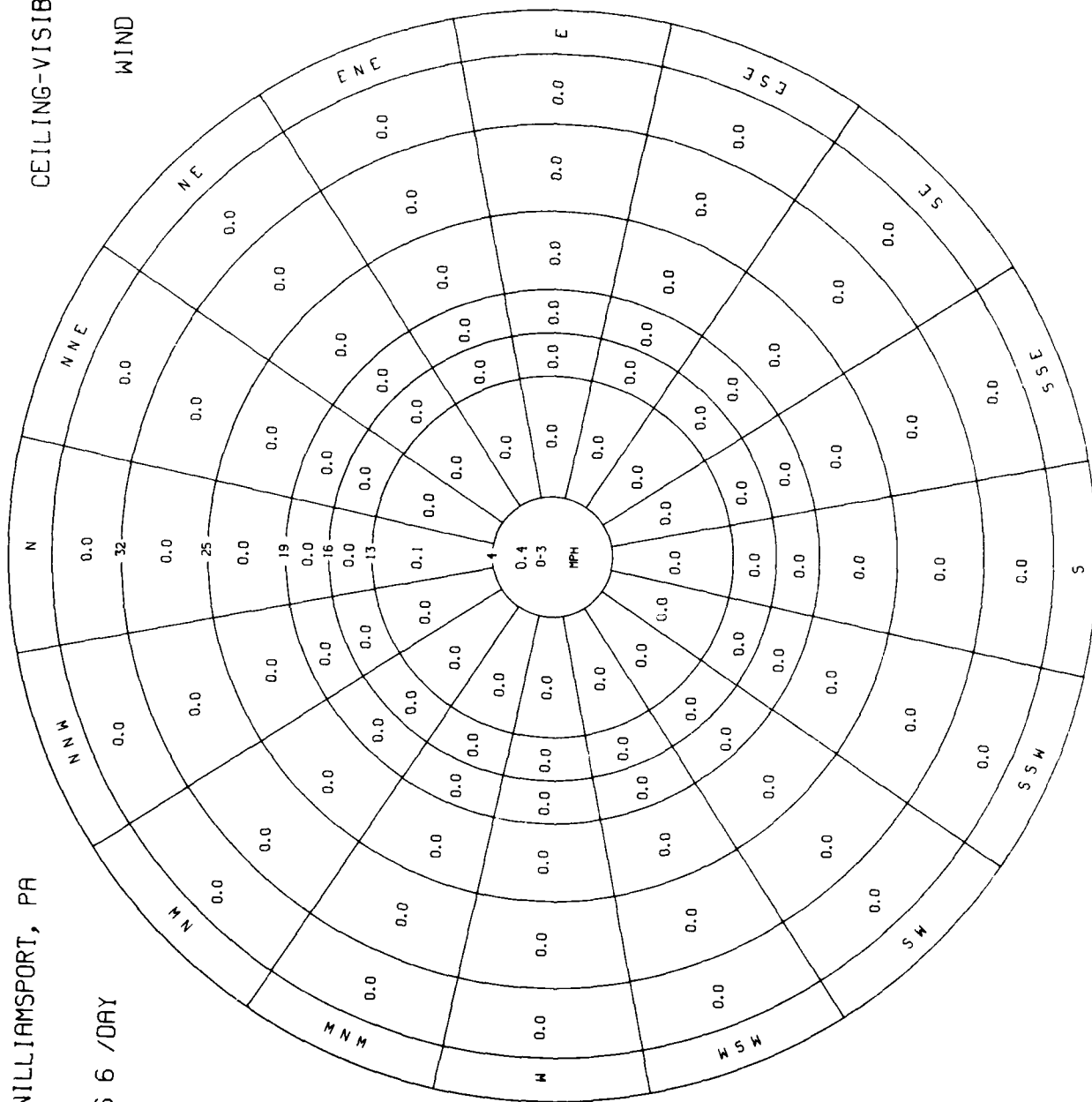
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	3.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.1		
NNE	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.4		
NE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.5		
ENE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.0		
E	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.4		
ESE	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	8.0		
SE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.7		
SSE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0		
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
SSW	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.0		
SW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0		
WSW	.0	.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.7		
W	.0	2.6	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	5.4		
WNW	.0	1.1	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	6.3		
NW	.0	2.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.4		
NNW	.0	.5	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	5.1		
CALM	.3	51.9													.3	51.9			
TOTAL	.5	70.4	.2	29.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	2.4		

IPT WILLIAMSPORT, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 14778

NO. OBS.: 255

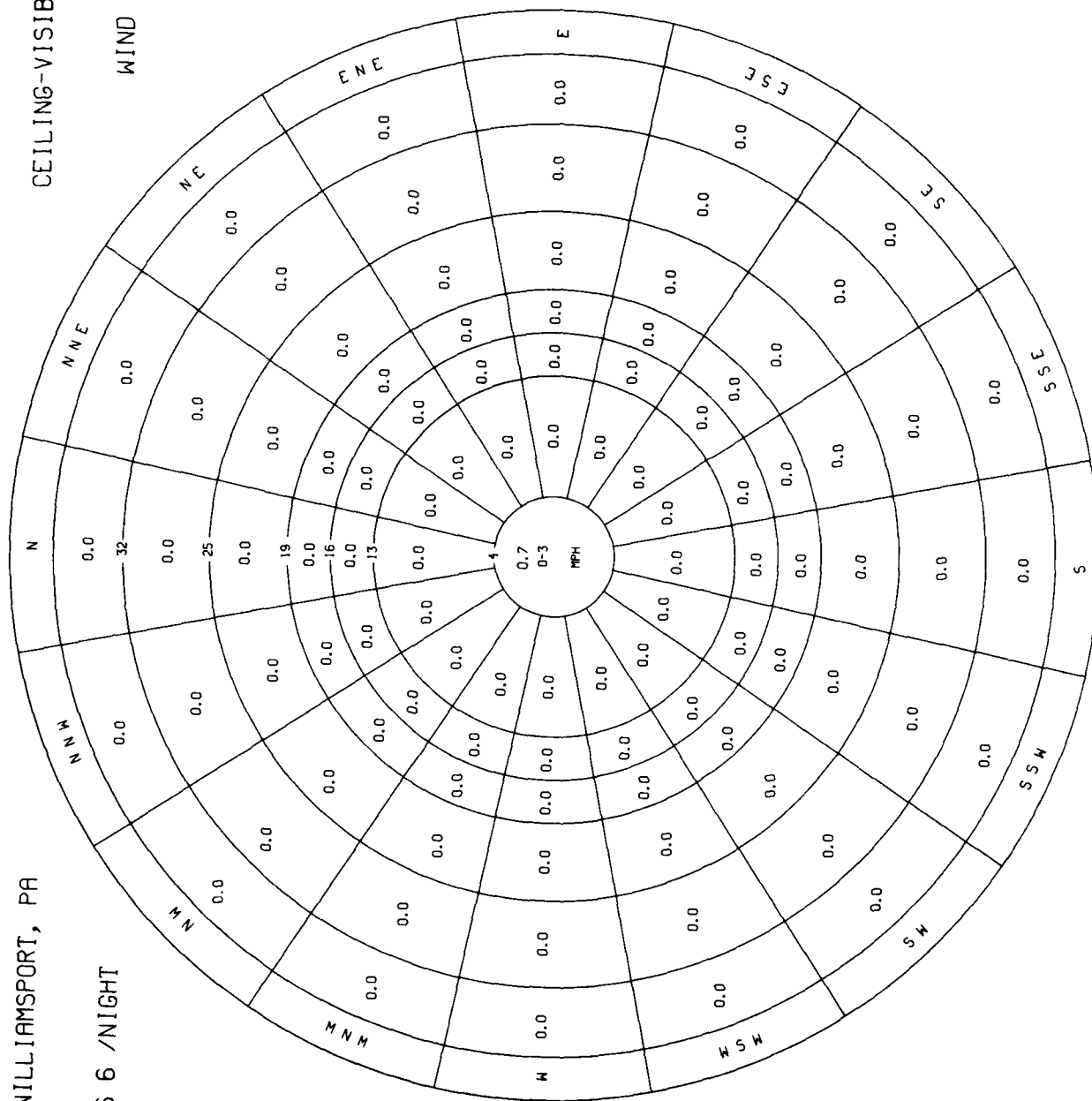
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	3.1	.1	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.6	4.7
NNE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.7
N	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
ENE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.7
E	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.3
ESE	.0	1.2	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.3
SE	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	15.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.5
SSW	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
SW	.0	2.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.4
WSW	.0	2.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.5
W	.0	4.7	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.4	4.7
NNW	.0	3.9	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.1	8.6	6.1
NW	.0	3.9	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	4.8
NNW	.0	1.6	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.9
CALM	.2	34.5														.2	34.5	
TOTAL	.4	60.4	.3	38.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.4	.7	100		3.2

IPT WILLIAMSPORT, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 277

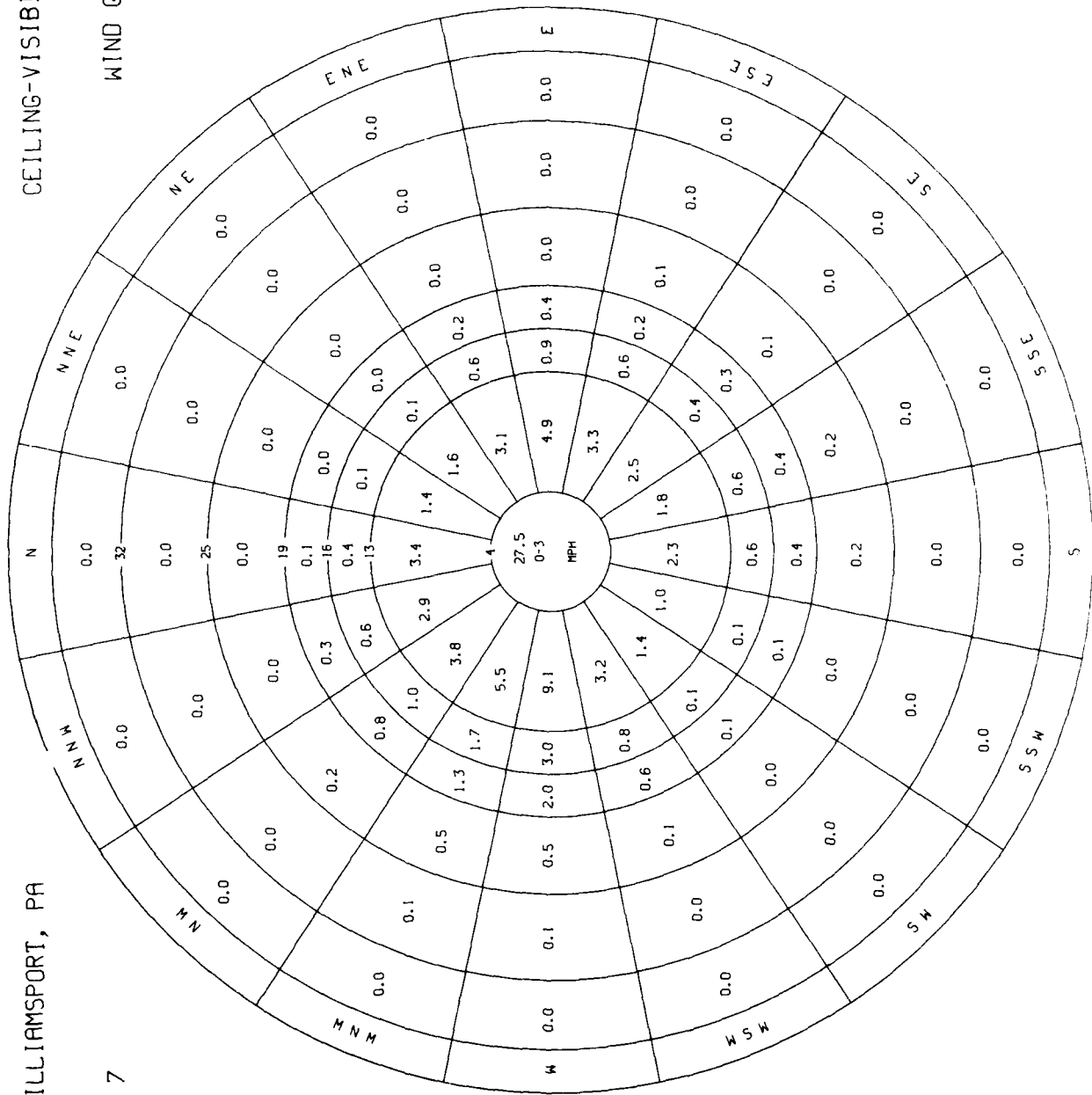
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
NNE	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
NE	.0	1.1	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
E	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
ESE	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SSE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
S	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SW	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
WSW	.0	1.1	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
W	.0	2.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.4
WNW	.0	1.8	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.8
NW	.0	5.1	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.0
NNW	.0	2.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.4
CALM	.5	51.6													.5 51.6
TOTAL	.7	73.3	.3	26.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0 100
															2.1

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 7

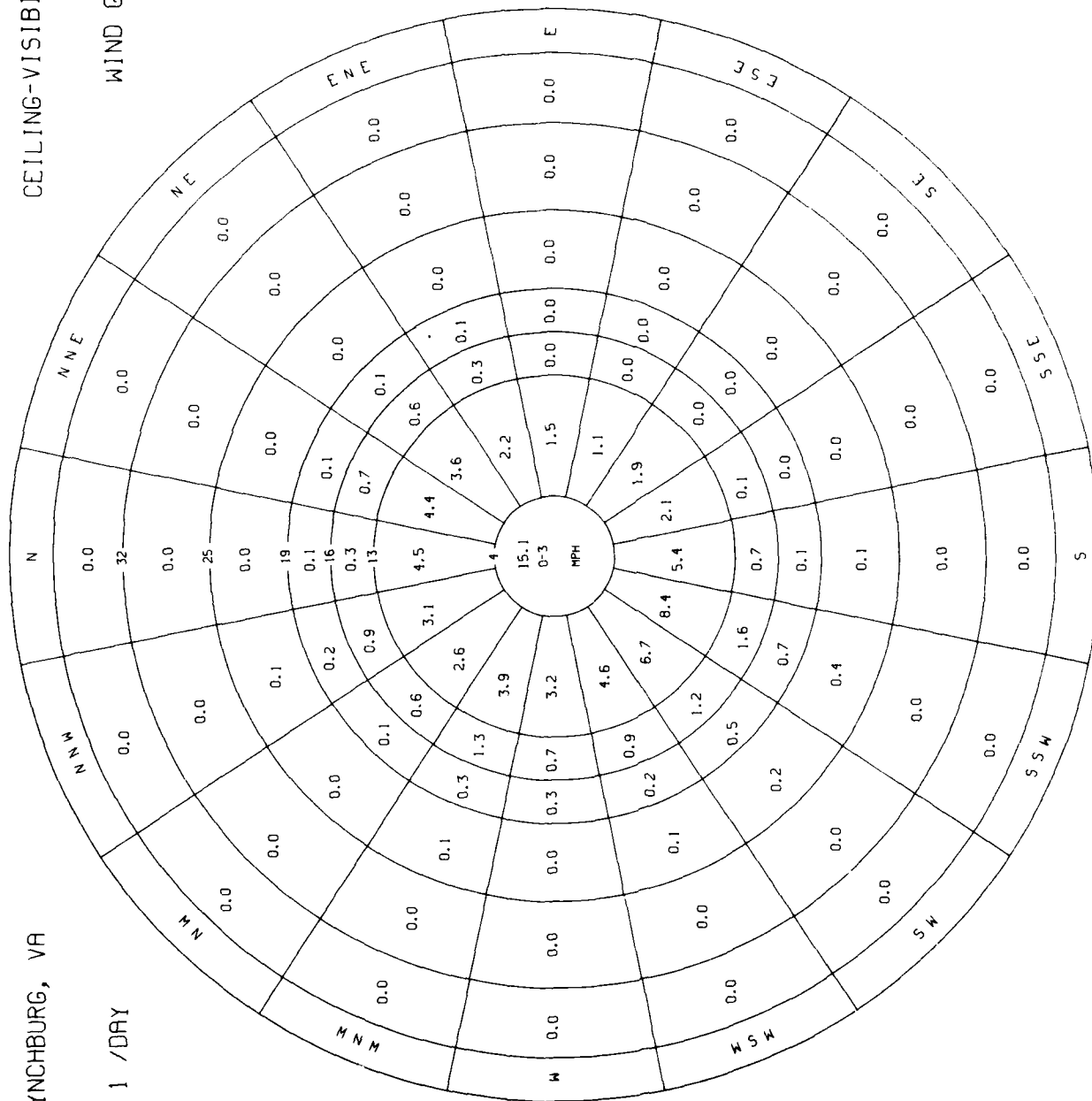


CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 1 /DAY



PRECEDING PAGE BLANK NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 1 / DAY

STATION NUMBER: 13733

NO. OBS.: 8389

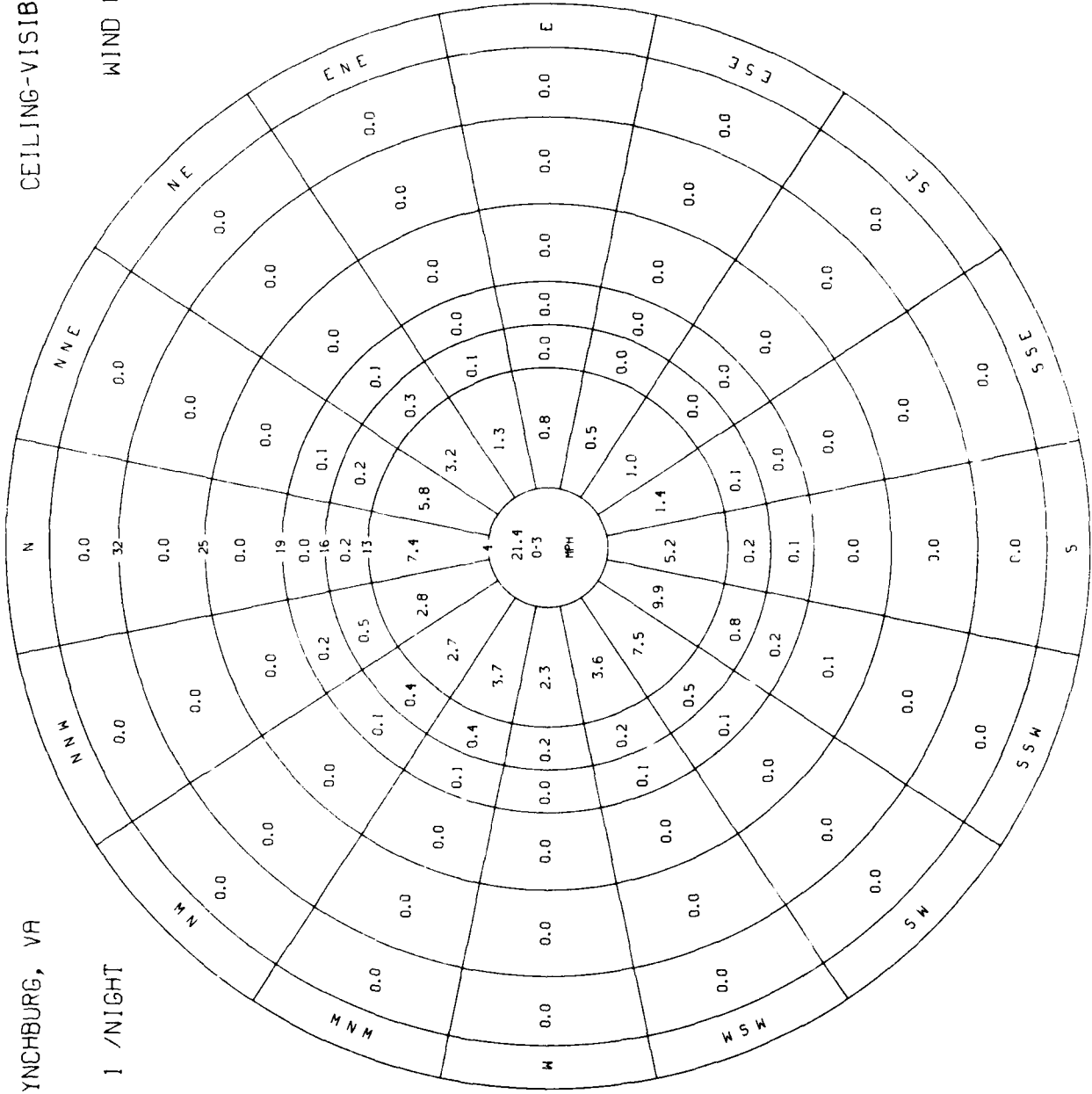
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.1	1.3	4.5	5.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	6.2	7.0	7.1
NNE	.8	.9	4.4	4.9	.7	.8	.1	.2	.0	.0	.0	.0	.0	.0	6.0	6.8	7.8
NE	.8	.9	3.6	4.1	.6	.7	.1	.2	.0	.0	.0	.0	.0	.0	5.2	5.9	8.4
ENE	.4	.5	2.2	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.0	3.3	7.7
E	.6	.7	1.5	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.4	5.8
ESE	.4	.5	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.8	5.7
SE	.8	.9	1.9	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.0	5.6
SSE	.9	1.0	2.1	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.5	6.2
S	1.6	1.8	5.4	6.1	.7	.8	.1	.2	.1	.1	.0	.0	.0	.0	7.8	8.9	7.4
SSW	1.5	1.7	8.4	9.5	1.6	1.8	.7	.8	.4	.4	.0	.0	.0	.0	12.7	14.3	8.9
SW	1.3	1.4	6.7	7.6	1.2	1.4	.5	.6	.2	.2	.0	.0	.0	.0	9.9	11.2	8.6
WSW	.8	.9	4.6	5.2	.9	1.0	.2	.2	.1	.1	.0	.0	.0	.0	6.6	7.5	8.5
W	.8	.9	3.2	3.6	.7	.8	.3	.4	.0	.0	.0	.0	.0	.0	5.0	5.7	8.4
WNW	.7	.8	3.9	4.4	1.3	1.5	.3	.3	.1	.1	.0	.0	.0	.0	6.3	7.2	9.3
NW	1.0	1.1	2.6	2.9	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	4.3	4.9	7.8
NNW	.8	.9	3.1	3.6	.9	1.0	.2	.3	.1	.1	.0	.0	.0	.0	5.1	5.8	8.8
CALM	.7	.8													.7	.8	
TOTAL	15.1	17.0	59.2	67.0	10.0	11.3	3.0	3.4	1.1	1.2	.1	.1	.0	.0	88.4	100	8.0

CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 1 / NIGHT

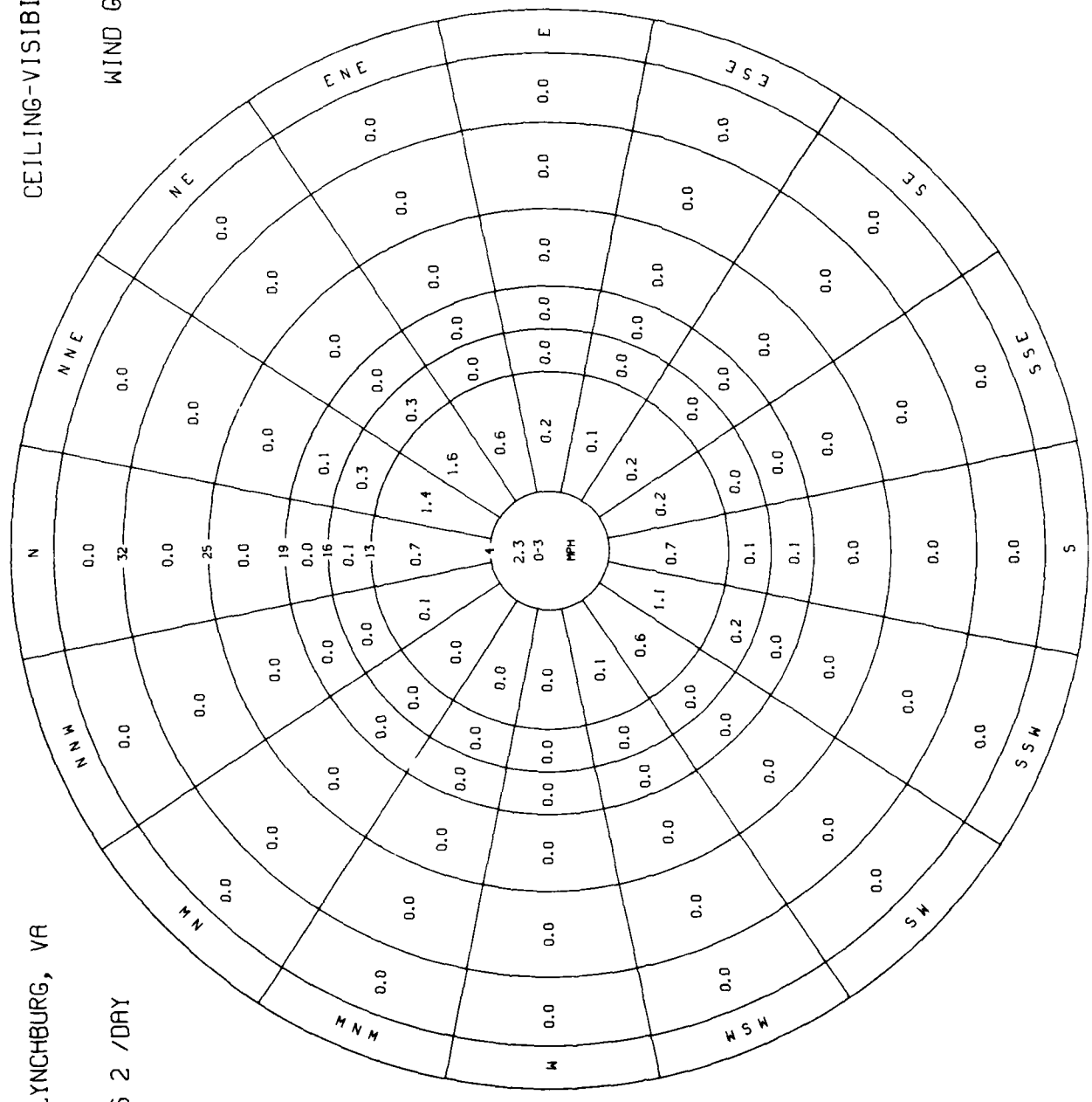
STATION NUMBER: 13733

NO. OBS.: 6890

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	2.4	2.8	7.4	8.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	10.0	11.7	6.0
NNE	1.7	2.0	5.8	6.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	7.8	9.1	6.5
NE	1.3	1.6	3.2	3.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.9	5.8	6.8
ENE	.4	.5	1.3	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.1	6.9
E	.4	.5	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.4	5.3
ESE	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	4.7
SE	1.0	1.2	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.4	4.4
SSE	1.0	1.1	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.9	5.3
S	2.2	2.6	5.2	6.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	7.7	9.0	6.0
SSW	2.6	3.0	9.9	11.6	.8	.9	.2	.2	.1	.1	.0	.0	.0	.0	13.6	15.8	7.0
SW	2.3	2.7	7.5	8.7	.5	.6	.1	.1	.0	.1	.0	.0	.0	.0	10.4	12.2	6.7
WSW	.7	.9	3.6	4.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.6	5.4	7.0
W	.8	.9	2.3	2.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.9	6.6
WNW	.8	.9	3.7	4.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.9	7.5
NW	1.2	1.4	2.7	3.1	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	4.3	5.0	6.9
NNW	.8	.9	2.8	3.3	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	4.3	5.0	7.8
CALM	1.3	1.5													1.3	1.5	
TOTAL	21.4	24.9	59.0	68.7	4.1	4.7	1.1	1.3	.3	.3	.0	.0	.0	.0	85.8	100	6.5

CEILING-VISIBILITY
WIND GRAPH

LYH LYNCHBURG, VA
CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 2 / DAY

STATION NUMBER: 13733

NO. OBS.: 1105

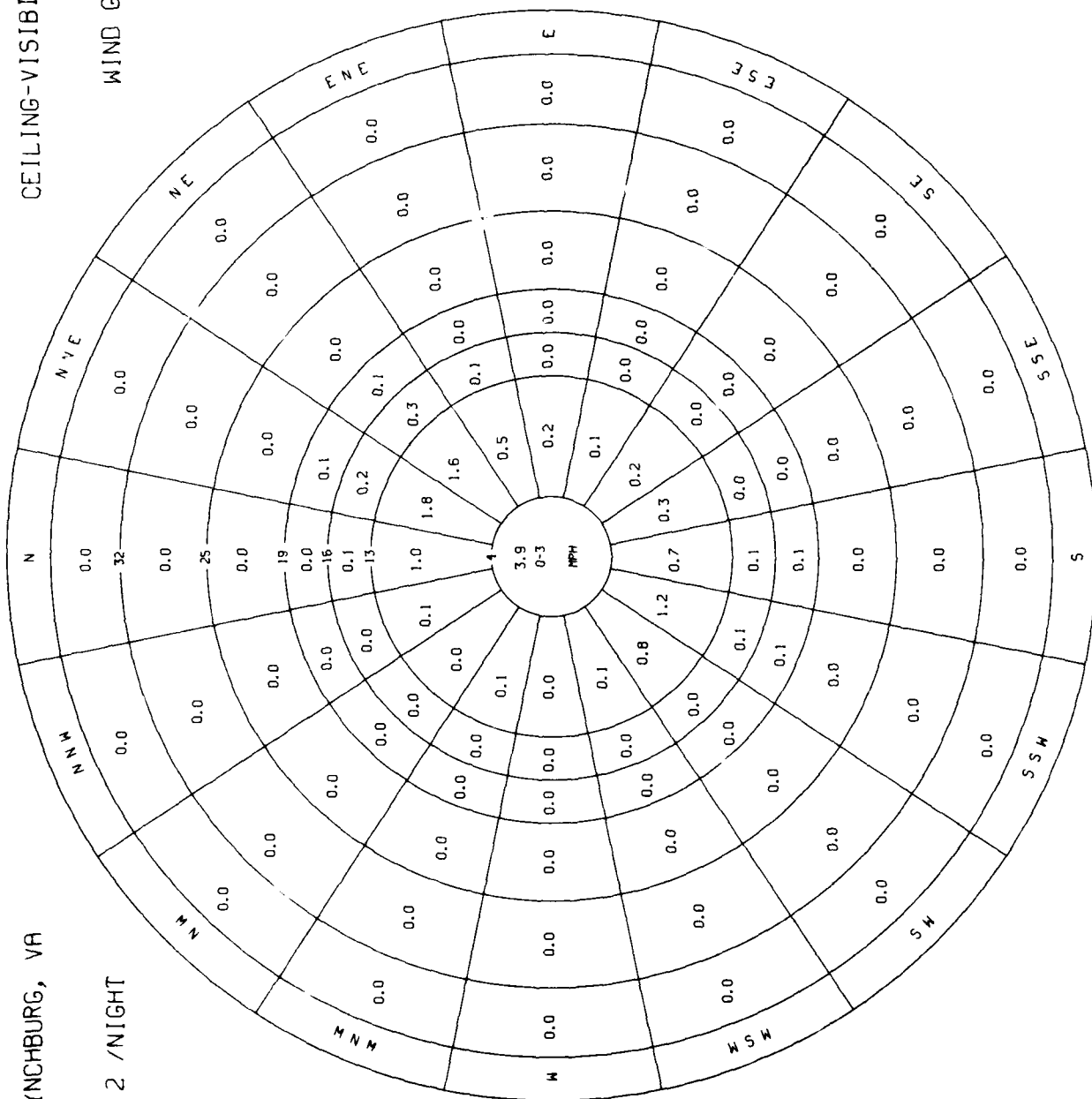
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	3.1	.7	6.2	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.2 10.1
NNE	.2	2.0	1.4	12.2	.3	2.4	.1	.9	.0	.1	.0	.0	.0	.0	2.1 17.6
NE	.2	2.0	1.6	13.7	.3	2.9	.0	.4	.0	.2	.0	.1	.0	.0	2.2 19.2
ENE	.1	.8	.6	5.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.7 6.3
E	.1	.5	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.0
ESE	.0	.4	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.6
SE	.1	.5	.2	1.9	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.0
SSE	.1	1.2	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.1
S	.2	1.4	.7	5.6	.1	1.1	.1	.5	.0	.2	.0	.1	.0	.0	1.0 8.8
SSW	.2	1.9	1.1	9.2	.2	1.6	.0	.4	.0	.1	.0	.0	.0	.0	1.5 13.2
SW	.2	1.9	.6	5.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.9 7.3
WSW	.1	1.1	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.4
W	.1	.5	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 .9
WNW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
NW	.0	.4	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1 .9
NNW	.0	.3	.1	.8	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.4
CALM	.2	1.7													.2 1.7
TOTAL	2.3	19.7	7.6	65.6	1.2	10.4	.3	3.0	.1	1.1	.0	.2	.0	.0	11.6 100

CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 2 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 2 / NIGHT

STATION NUMBER: 13733

NO. OBS.: 142

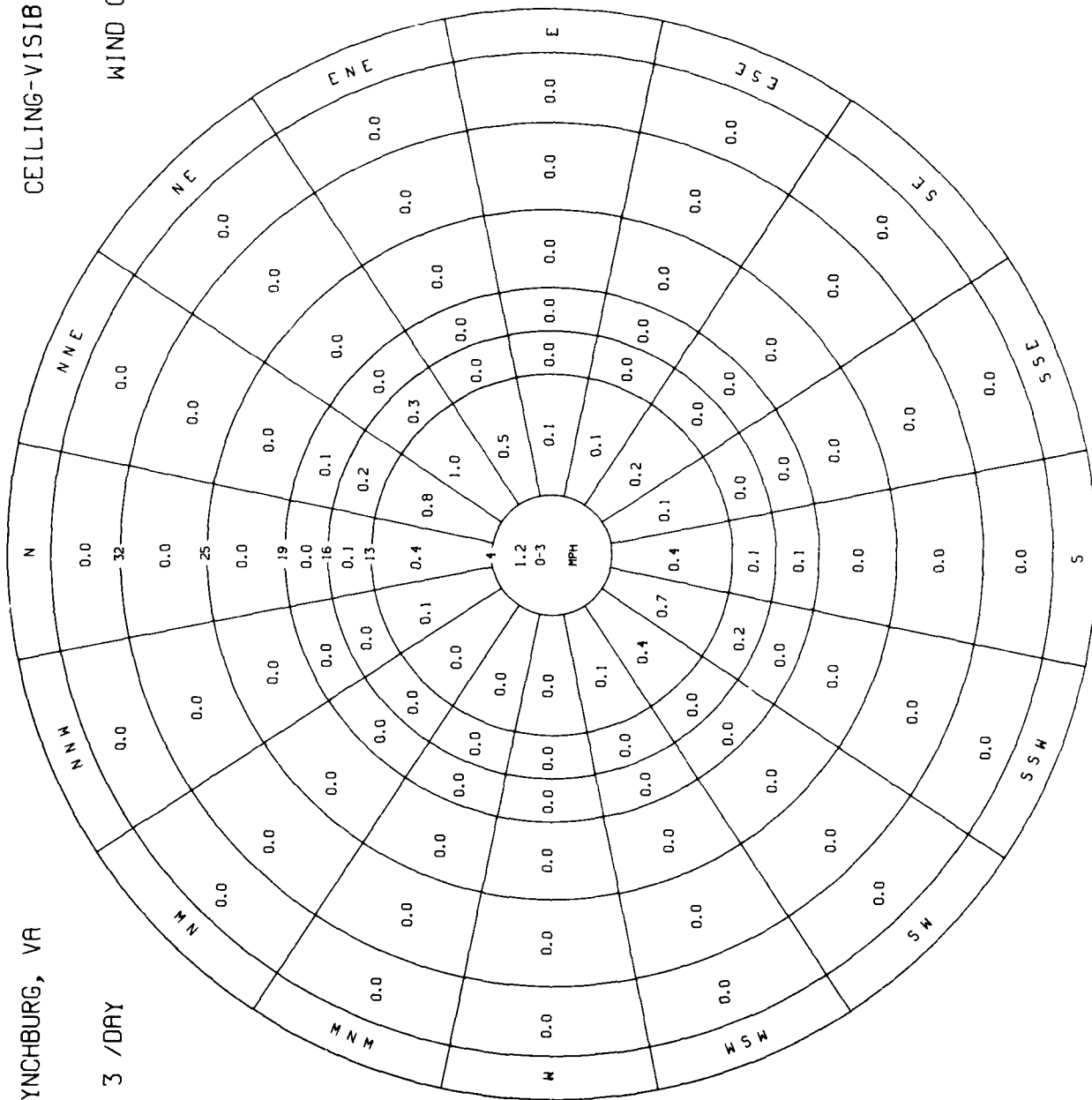
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.6	3.9	1.0	7.2	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.7	11.7	6.0
NNE	.3	2.0	1.8	12.3	.2	1.7	.1	.6	.0	.0	.0	.0	.0	.0	.0	2.4	16.6	8.3
NE	.4	2.6	1.6	11.4	.3	1.9	.1	.5	.0	.3	.0	.0	.0	.0	.0	2.4	16.7	8.1
ENE	.1	1.1	.5	3.7	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.4	7.3
E	.1	1.0	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	4.8
ESE	.1	.8	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	4.6
SE	.1	.7	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	6.0
SSE	.2	1.3	.3	1.9	.0	.0	.0	.1	.0	.2	.0	.1	.0	.0	.0	.5	3.6	7.3
S	.4	3.1	.7	4.8	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.0	1.3	9.2	7.0
SSW	.4	2.5	1.2	8.5	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	.0	1.8	12.4	7.5
SW	.5	3.3	.8	5.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.3	9.4	5.8
WSW	.1	1.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	3.6
W	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	3.9
WNW	.1	.4	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.8
NW	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	4.7
NNW	.2	1.1	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.4	5.1
CALM	.2	1.5														.2	1.5	
TOTAL	3.9	27.8	8.8	61.9	1.0	6.8	.4	2.7	.1	.7	.0	.1	.0	.0	.0	14.2	100	6.9

CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 3 / DAY

STATION NUMBER: 13733

NO. OBS.: 714

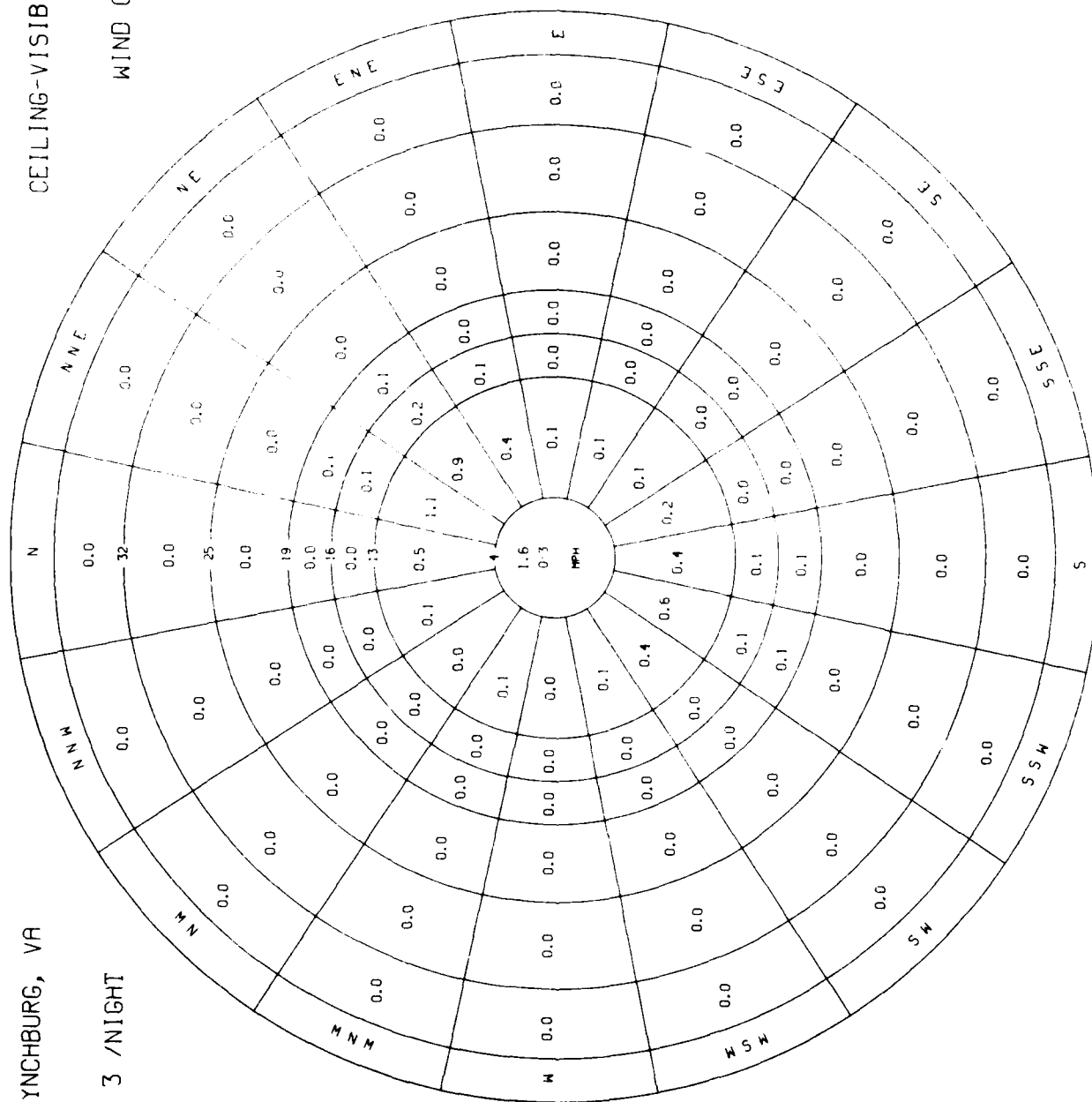
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.2	2.2	.4	5.3	.1	.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.6	8.5	7.0
NNE	.1	1.0	.8	10.8	.2	2.7	.1	.8	.0	.0	.0	.0	.0	.0	.0	1.2	15.4	9.5
NE	.1	1.5	1.0	13.3	.3	3.6	.0	.6	.0	.3	.0	.1	.0	.0	.0	1.5	19.5	9.3
ENE	.1	.7	.5	6.9	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	8.0	8.1
E	.1	.7	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	5.4
ESE	.0	.3	.1	1.3	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	2.0	7.6
SE	.1	.7	.2	2.2	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	3.8	7.8
SSE	.1	1.4	.1	1.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	3.6	6.8
S	.1	1.3	.4	4.8	.1	1.3	.1	.7	.0	.3	.0	.1	.0	.0	.0	.6	8.4	9.7
SSW	.1	1.4	.7	9.0	.2	2.4	.0	.6	.0	.1	.0	.0	.0	.0	.0	1.0	13.4	9.0
SW	.1	1.4	.4	5.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	7.3	7.0
WSW	.1	1.4	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	2.9	5.4
W	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.7	5.8
WNW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.7
NW	.0	.4	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	1.1	7.4
NNW	.0	.1	.1	1.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	1.5	9.6
CALM	.1	1.0														.1	1.0	
TOTAL	1.2	16.1	4.9	65.3	1.0	12.7	.3	3.9	.1	1.7	.0	.3	.0	.0	.0	7.5	100	8.3

LYH LYNCHBURG, VA

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 3 / NIGHT

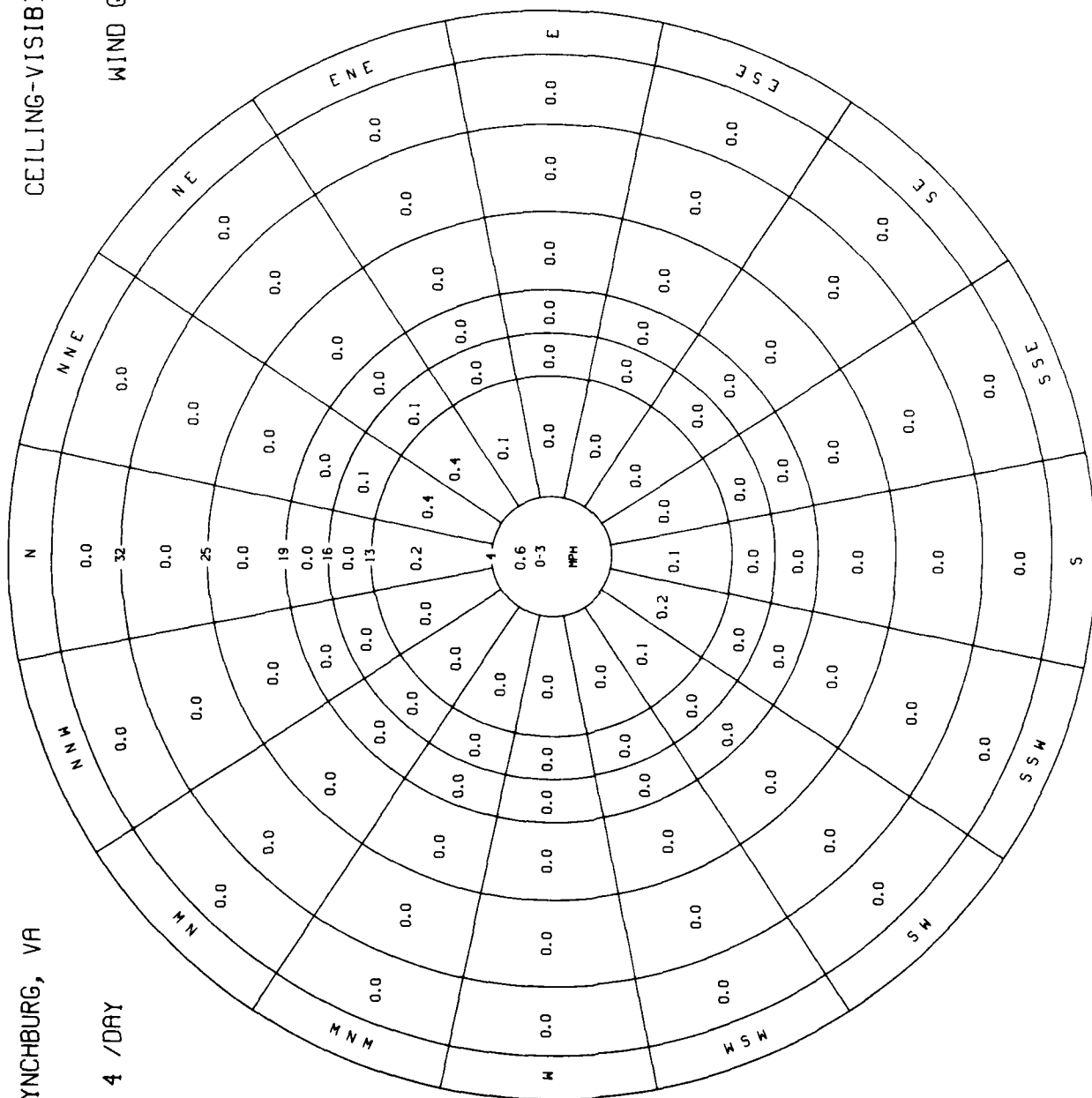
STATION NUMBER: 13733

NO. OBS.: 628

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	2.7	.5	5.9	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.7 9.4
NNE	.1	1.1	1.1	13.7	.1	1.9	.1	1.0	.0	.0	.0	.0	.0	.0	1.4 17.7
NE	.2	2.2	.9	11.9	.2	2.5	.1	1.0	.0	.3	.0	.0	.0	.0	1.4 18.0
ENE	.1	1.1	.4	4.6	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 6.8
E	.0	.6	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.1
ESE	.1	1.0	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.5
SE	.0	.3	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.1
SSE	.1	1.4	.2	2.4	.0	.0	.0	.2	.0	.3	.0	.2	.0	.0	.3 4.5
S	.2	2.1	.4	5.3	.1	1.0	.1	.8	.0	.3	.0	.0	.0	.0	.7 9.4
SSW	.1	1.8	.6	7.6	.1	1.3	.1	.8	.0	.2	.0	.0	.0	.0	.9 11.6
SW	.2	2.2	.4	4.6	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.6 7.6
WSW	.0	.6	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
W	.1	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
WNW	.0	.2	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
NW	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 .8
NNW	.1	1.1	.1	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2 2.4
CALM	.1	1.1													.1 1.1
TOTAL	1.6	21.0	5.0	64.0	.7	9.1	.4	4.6	.1	1.1	.0	.2	.0	.0	7.8 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 4 / DAY

STATION NUMBER: 13733

NO. OBS.: 243

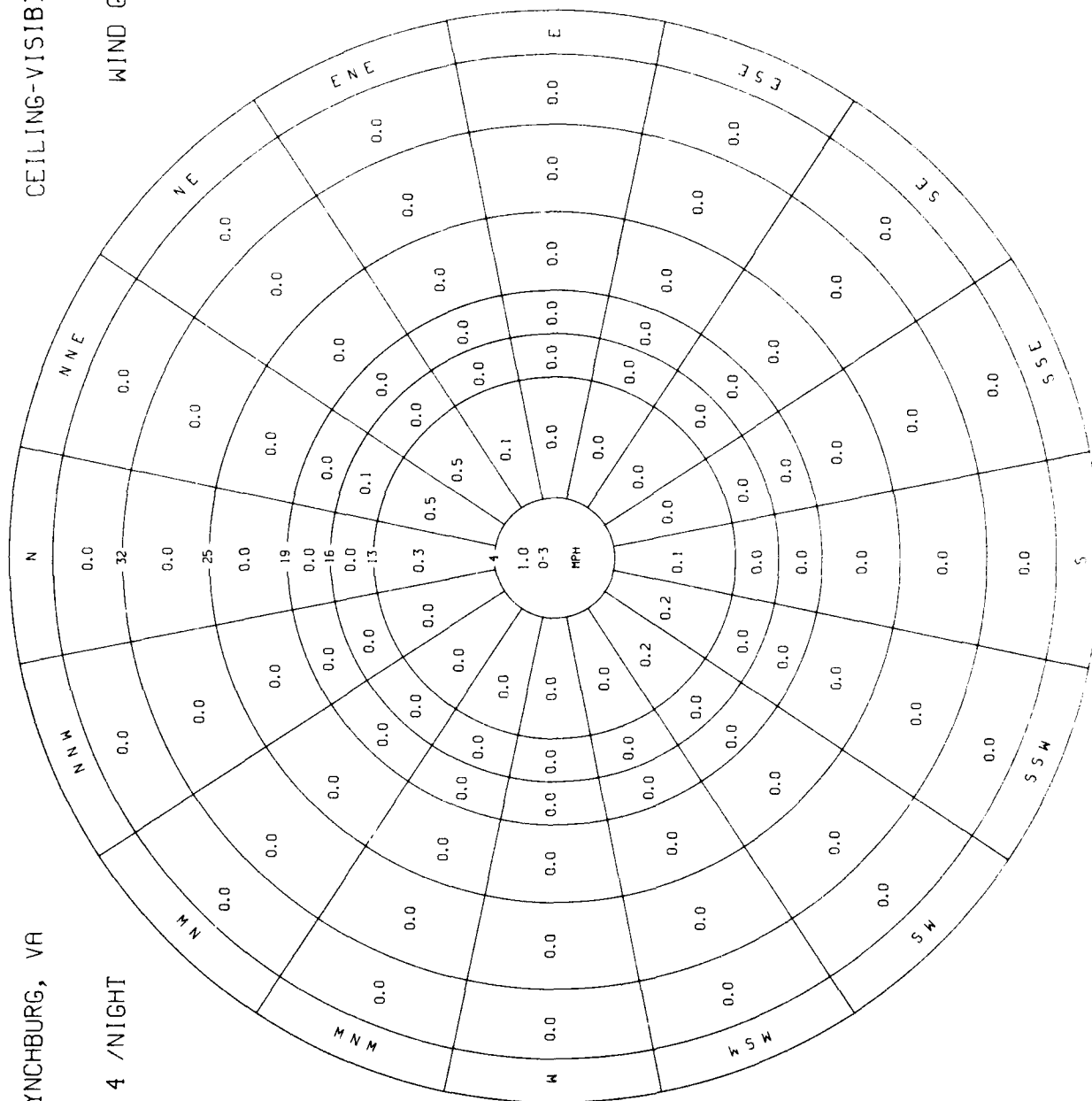
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	4.9	.2	9.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4 14.4
NNE	.1	3.7	.4	15.2	.1	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.6 23.0
NE	.1	2.1	.4	16.9	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 21.0
ENE	.0	1.2	.1	2.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1 4.9
E	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ESE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SE	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.1
S	.0	.4	.1	4.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.6
SSW	.1	2.5	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 11.5
SW	.1	2.5	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.2
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
W	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
NNW	.0	.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
CALM	.1	2.9													.1 2.9
TOTAL	.6	24.3	1.7	66.7	.2	7.4	.0	1.6	.0	.0	.0	.0	.0	.0	2.6 100

CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 4 / NIGHT

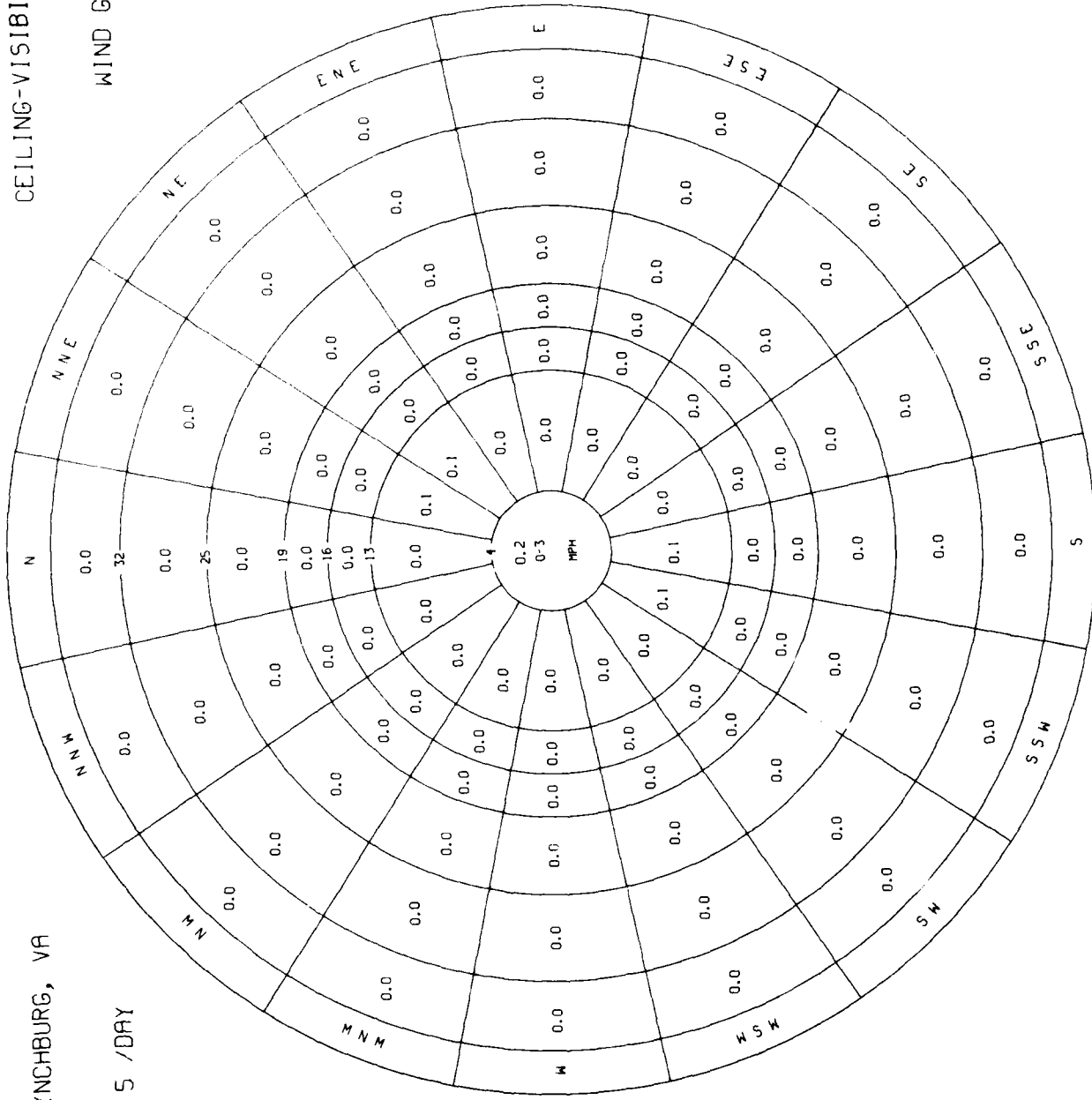
STATION NUMBER: 13733

NO. OBS.: 264

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	4.5	.3	9.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5 14.4
NNE	.1	3.0	.5	14.4	.1	2.3	.0	.4	.0	.0	.0	.0	.0	.0	.7 20.1
NE	.1	4.2	.5	14.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 19.7
ENE	.0	1.1	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.9
E	.0	1.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
ESE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
SE	.1	1.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SSE	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
S	.1	3.8	.1	3.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.6
SSW	.0	.8	.2	7.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.3
SW	.1	3.8	.2	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.7
WSW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
W	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.9
WNW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
NNW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
CALM	.0	.8													.0 .8
TOTAL	1.0	29.9	2.1	64.4	.2	5.3	.0	.4	.0	.0	.0	.0	.0	.0	3.3 100
															6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 5 / DAY

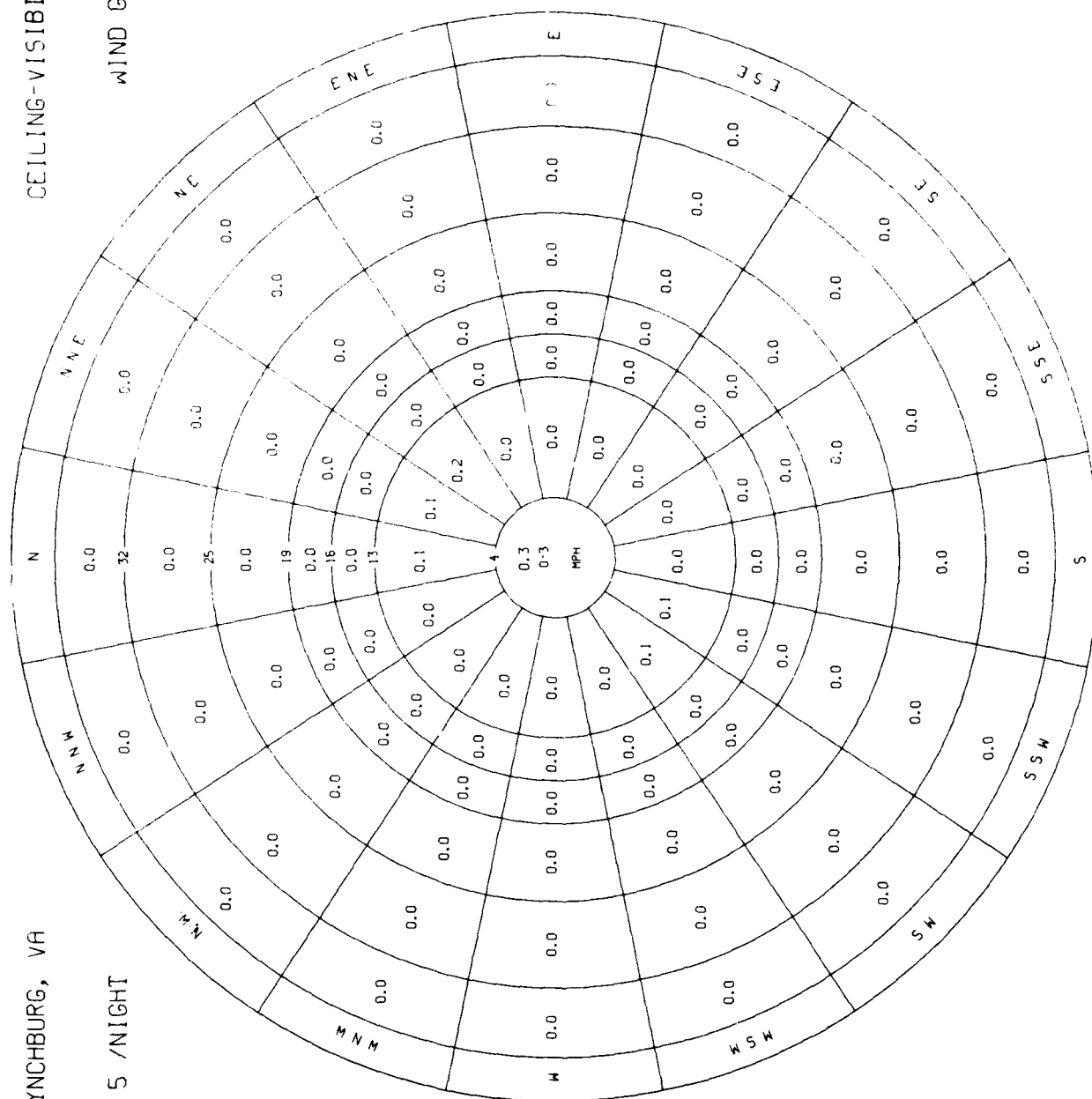
STATION NUMBER: 13733

NO. OBS.: 63

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	4.8	.0	6.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.7	7.0
NNE	.0	6.3	.1	11.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	19.0	7.4
NE	.0	3.2	.1	12.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	17.5	6.9
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	8.0
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
SE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.0
SSE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.0
S	.0	3.2	.1	12.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.9	6.3
SSW	.0	3.2	.1	7.9	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.7	6.9
SW	.0	1.6	.0	4.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	8.4
WSW	.0	1.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
CALM	.0	.0														.0	.0	
TOTAL	.2	23.8	.5	68.3	.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	6.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 5 / NIGHT

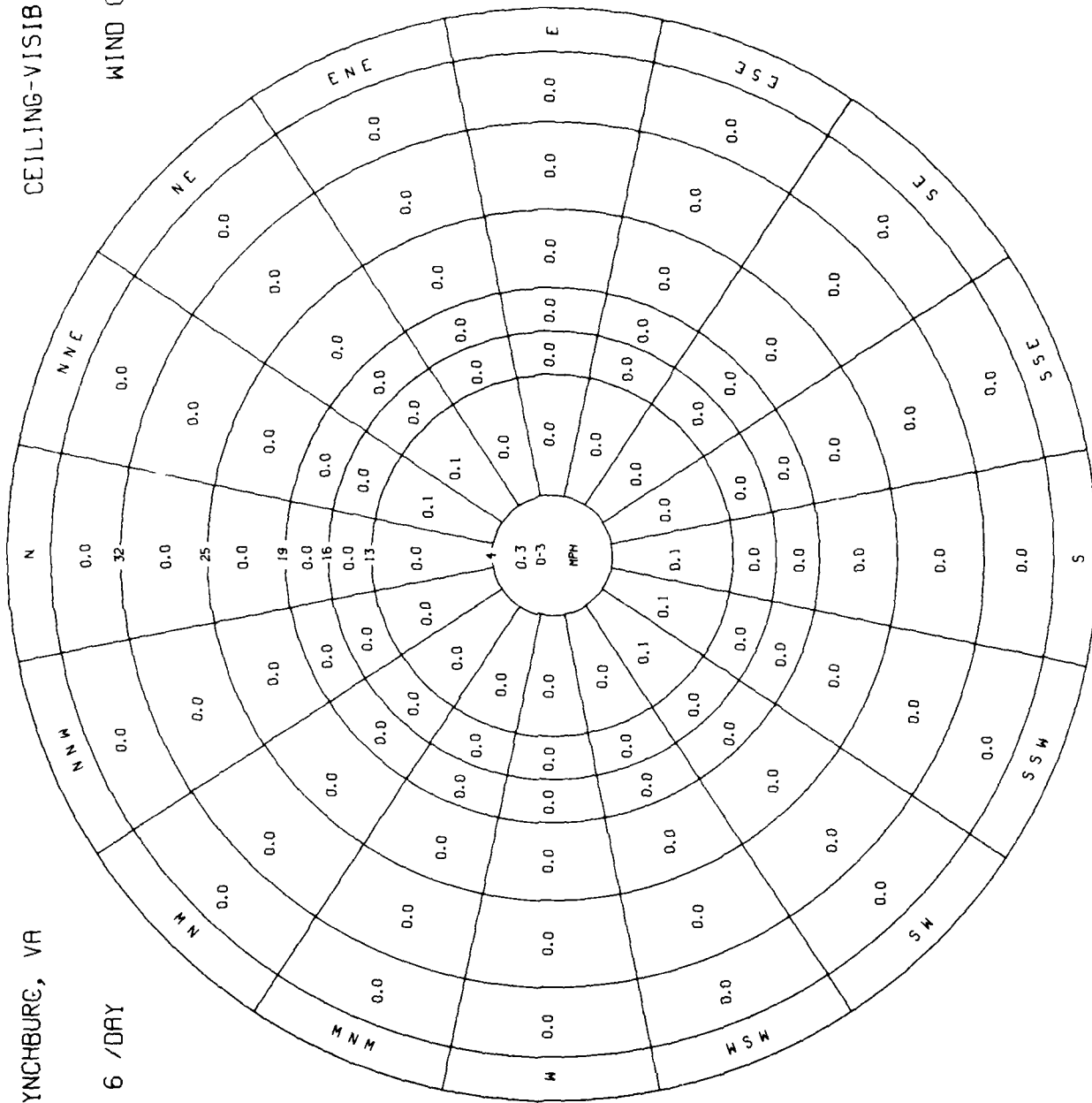
STATION NUMBER: 13733

NO. OBS.: 86

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	5.8	.1	5.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.8
NNE	.0	4.7	.1	9.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 15.1
NE	.0	1.2	.2	15.1	.0	2.3	.0	.0	.0	1.2	.0	.0	.0	.0	.2 19.8
ENE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
E	.0	2.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SSE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
S	.0	3.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.8
SSW	.0	4.7	.1	14.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.2 19.8
SW	.0	3.5	.1	7.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.6
WSW	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
NNW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
CALM	.0	2.3													.0 2.3
TOTAL	.3	32.6	.6	59.3	.1	5.8	.0	1.2	.0	1.2	.0	.0	.0	.0	1.1 100
															6.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 6 / DAY

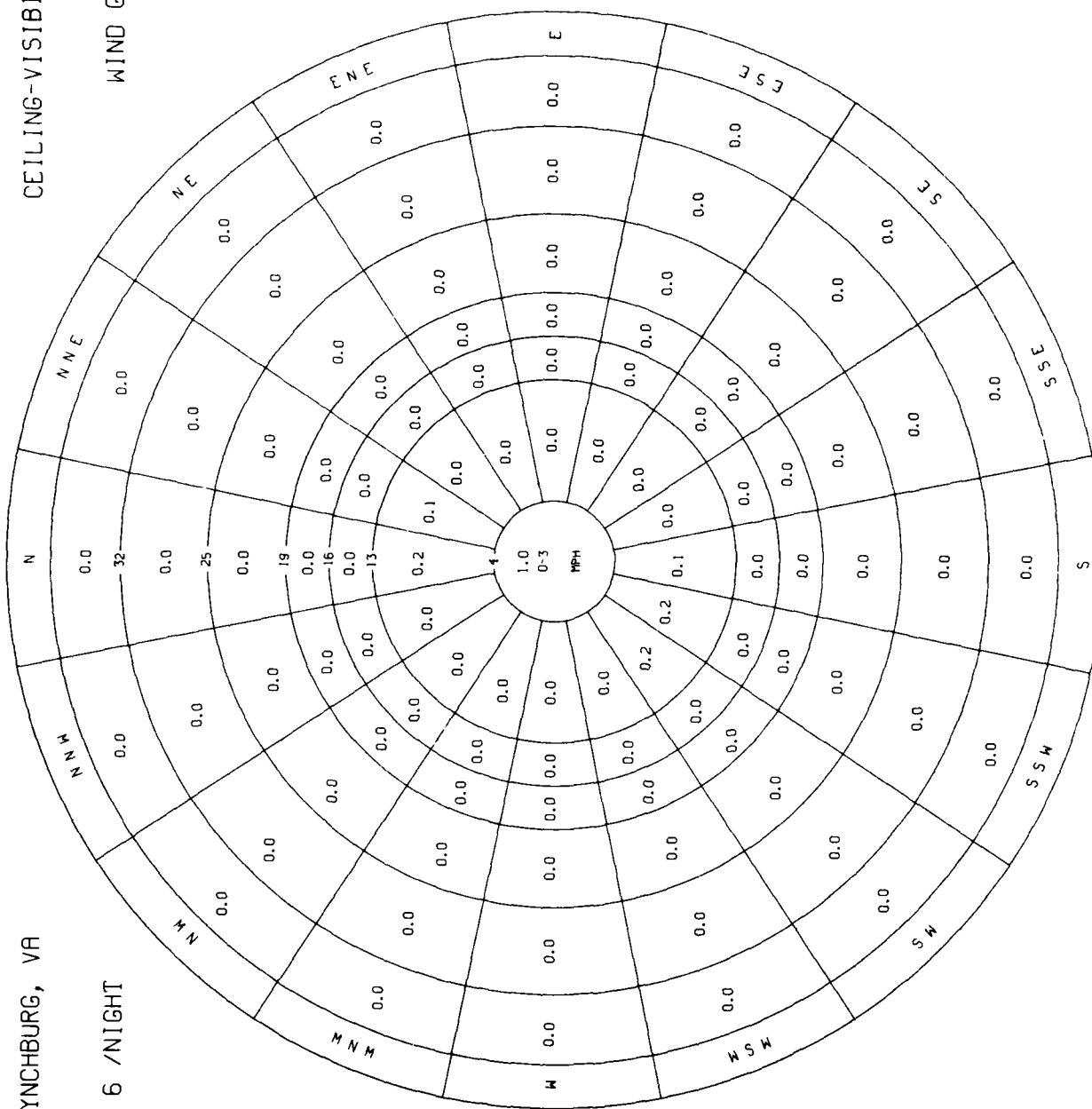
STATION NUMBER: 13733

NO. OBS.: 85

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	3.5	.0	4.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.4	5.4
NNE	.0	2.4	.1	16.5	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.2	20.0	7.6
NE	.0	4.7	.1	8.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.9	5.0
ENE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
SSE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.5
S	.0	3.5	.1	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.9	5.3
SSW	.0	3.5	.1	12.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.5	6.4
SW	.0	4.7	.1	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.6	4.9
WSW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.0
W	.0	2.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.3
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	5.9														.1	5.9	
TOTAL	.3	34.1	.6	63.5	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.9	100	5.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 6 / NIGHT

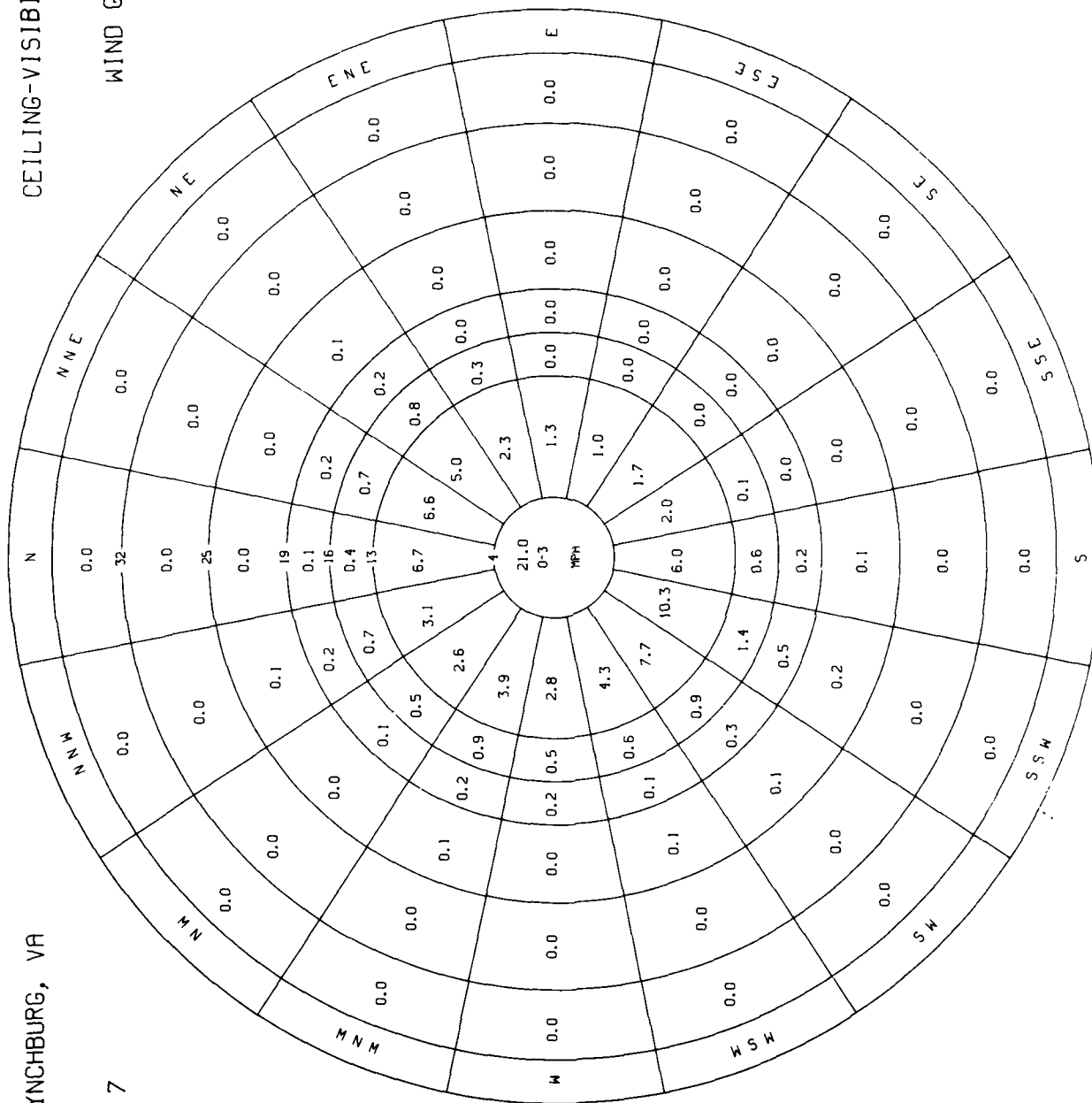
STATION NUMBER: 13733

NO. OBS.: 164

D I R	SPEED GROUPS (MPH)													AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	6.7	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 15.9
NNE	.0	2.4	.1	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.9
NE	.0	2.4	.0	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.5
ENE	.0	1.2	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
E	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ESE	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SE	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SSE	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.9
S	.1	5.5	.1	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 12.8
SSW	.1	7.3	.2	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 18.3
SW	.1	6.7	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 15.9
WSW	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
W	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
NNW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
CALM	.1	3.7													.1 3.7
TOTAL	1.0	47.6	1.0	51.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	2.0 100
															4.6

CEILING-VISIBILITY

WIND GRAPH

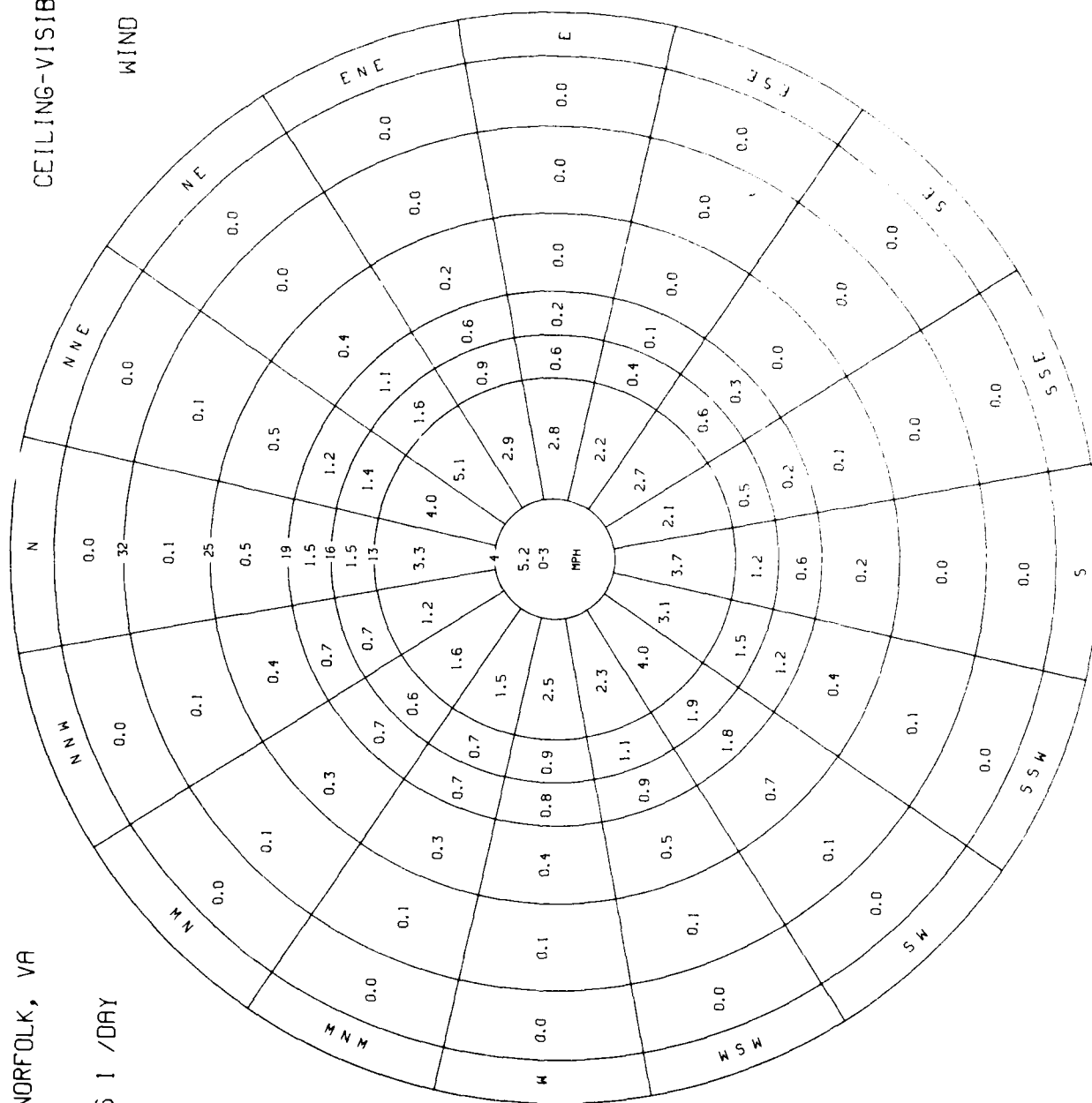


ORF NORFOLK, VA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 1 / DAY

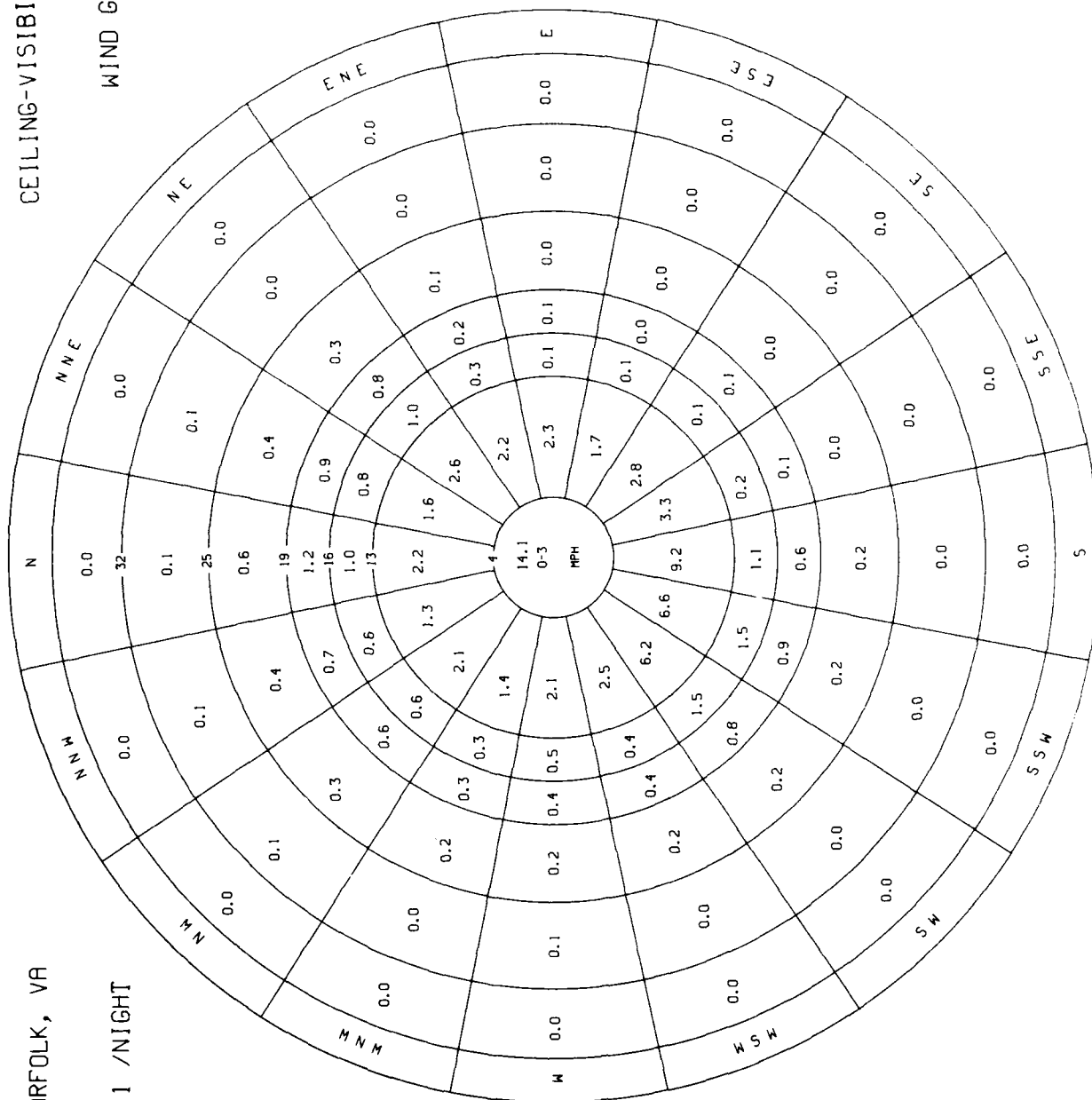
STATION NUMBER: 13737

NO. OBS.: 42689

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	3.3	3.9	1.5	1.8	1.5	1.7	.5	.6	.1	.1	.0	.0	7.2	8.4	12.5
NNE	.2	.3	4.0	4.7	1.4	1.7	1.2	1.4	.5	.5	.1	.1	.0	.0	7.5	8.8	11.8
NE	.4	.5	5.1	6.0	1.6	1.9	1.1	1.3	.4	.5	.0	.1	.0	.0	8.7	10.2	11.2
ENE	.3	.3	2.9	3.4	.9	1.1	.6	.7	.2	.2	.0	.0	.0	.0	4.9	5.7	10.8
E	.4	.5	2.8	3.3	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	4.0	4.7	9.2
ESE	.3	.4	2.2	2.5	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.1	3.6	9.0
SE	.3	.3	2.7	3.2	.6	.6	.3	.3	.0	.0	.0	.0	.0	.0	3.9	4.6	9.5
SSE	.2	.3	2.1	2.5	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	3.1	3.6	9.7
S	.3	.4	3.7	4.4	1.2	1.4	.6	.8	.2	.3	.0	.1	.0	.0	6.2	7.3	10.8
SSW	.2	.3	3.1	3.7	1.5	1.7	1.2	1.4	.4	.5	.1	.1	.0	.0	6.6	7.7	12.3
SW	.4	.4	4.0	4.6	1.9	2.3	1.8	2.1	.7	.9	.1	.2	.0	.0	8.9	10.5	12.7
WSW	.2	.3	2.3	2.7	1.1	1.3	.9	1.1	.5	.6	.1	.1	.0	.0	5.3	6.2	12.7
W	.3	.3	2.5	3.0	.9	1.0	.8	1.0	.4	.5	.1	.1	.0	.0	5.0	5.9	12.2
WNW	.2	.2	1.5	1.8	.7	.8	.7	.8	.3	.4	.1	.1	.0	.0	3.5	4.1	12.7
NW	.3	.3	1.6	1.9	.6	.7	.7	.8	.3	.4	.1	.1	.0	.0	3.7	4.3	12.4
NNW	.1	.1	1.2	1.4	.7	.9	.7	.8	.4	.4	.1	.1	.0	.0	3.1	3.7	13.4
CALM	.7	.8													.7	.8	
TOTAL	5.2	6.1	45.1	52.9	16.2	19.0	12.8	15.0	5.1	6.0	.9	1.0	.1	.1	85.3	100	11.5

ORF NORFOLK, VA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 1 / NIGHT

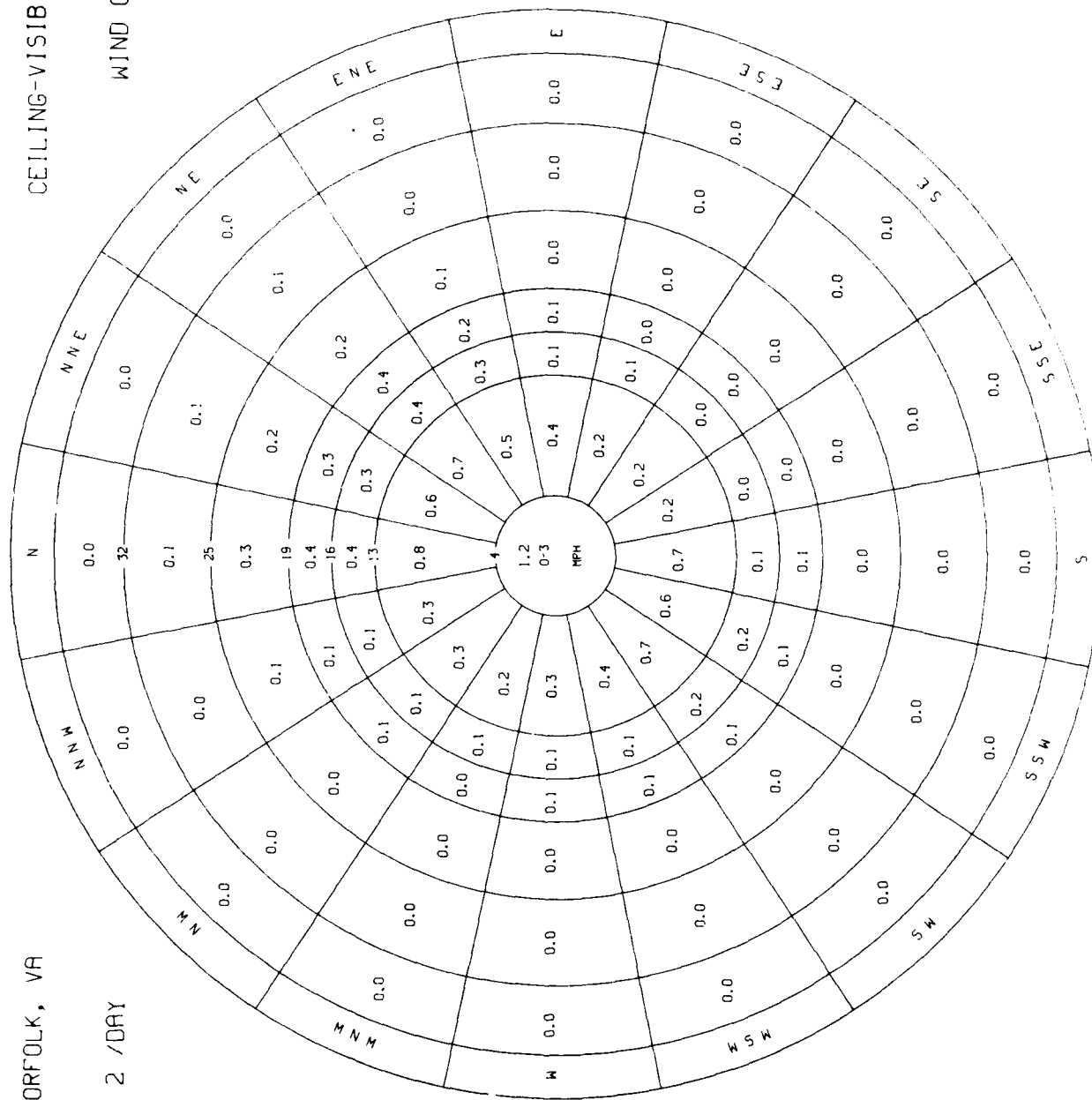
STATION NUMBER: 13737

NO. OBS.: 35004

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.5	2.2	2.6	1.0	1.2	1.2	1.4	.6	.7	.1	.1	.0	.0	5.5	6.4	12.7
NNE	.2	.2	1.6	1.9	.8	1.0	.9	1.0	.4	.5	.1	.1	.0	.0	4.0	4.7	12.9
NE	.5	.6	2.6	3.1	1.0	1.1	.8	.9	.3	.4	.0	.0	.0	.0	5.3	6.1	11.1
ENE	.5	.6	2.2	2.5	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	3.4	3.9	8.6
E	1.0	1.1	2.3	2.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.6	4.1	6.3
ESE	.6	.7	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.8	6.3
SE	1.0	1.2	2.8	3.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.6	6.4
SSE	.9	1.0	3.3	3.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.2	7.2
S	1.6	1.9	9.2	10.6	1.1	1.2	.6	.7	.2	.2	.0	.0	.0	.0	12.6	14.6	8.3
SSW	.9	1.1	6.6	7.6	1.5	1.7	.9	1.0	.2	.2	.0	.0	.0	.0	10.1	11.8	9.6
SW	1.2	1.3	6.2	7.2	1.5	1.7	.8	.9	.2	.3	.0	.1	.0	.0	9.9	11.4	9.5
WSW	.6	.7	2.5	2.9	.4	.5	.4	.4	.2	.2	.0	.1	.0	.0	4.1	4.8	9.4
W	.6	.7	2.1	2.4	.5	.6	.4	.4	.2	.2	.1	.1	.0	.0	3.8	4.5	9.7
WNW	.3	.3	1.4	1.6	.3	.4	.3	.4	.2	.2	.0	.0	.0	.0	2.6	3.0	10.7
NW	.5	.5	2.1	2.4	.6	.7	.6	.7	.3	.3	.1	.1	.0	.0	4.1	4.8	11.1
NNW	.2	.3	1.3	1.5	.6	.7	.7	.8	.4	.4	.1	.1	.0	.0	3.3	3.8	12.8
CALM	3.0	3.5													3.0	3.5	
TOTAL	14.1	16.3	50.2	58.1	10.2	11.8	8.0	9.2	3.2	3.7	.7	.8	.1	.1	86.3	100	9.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 2 / DAY

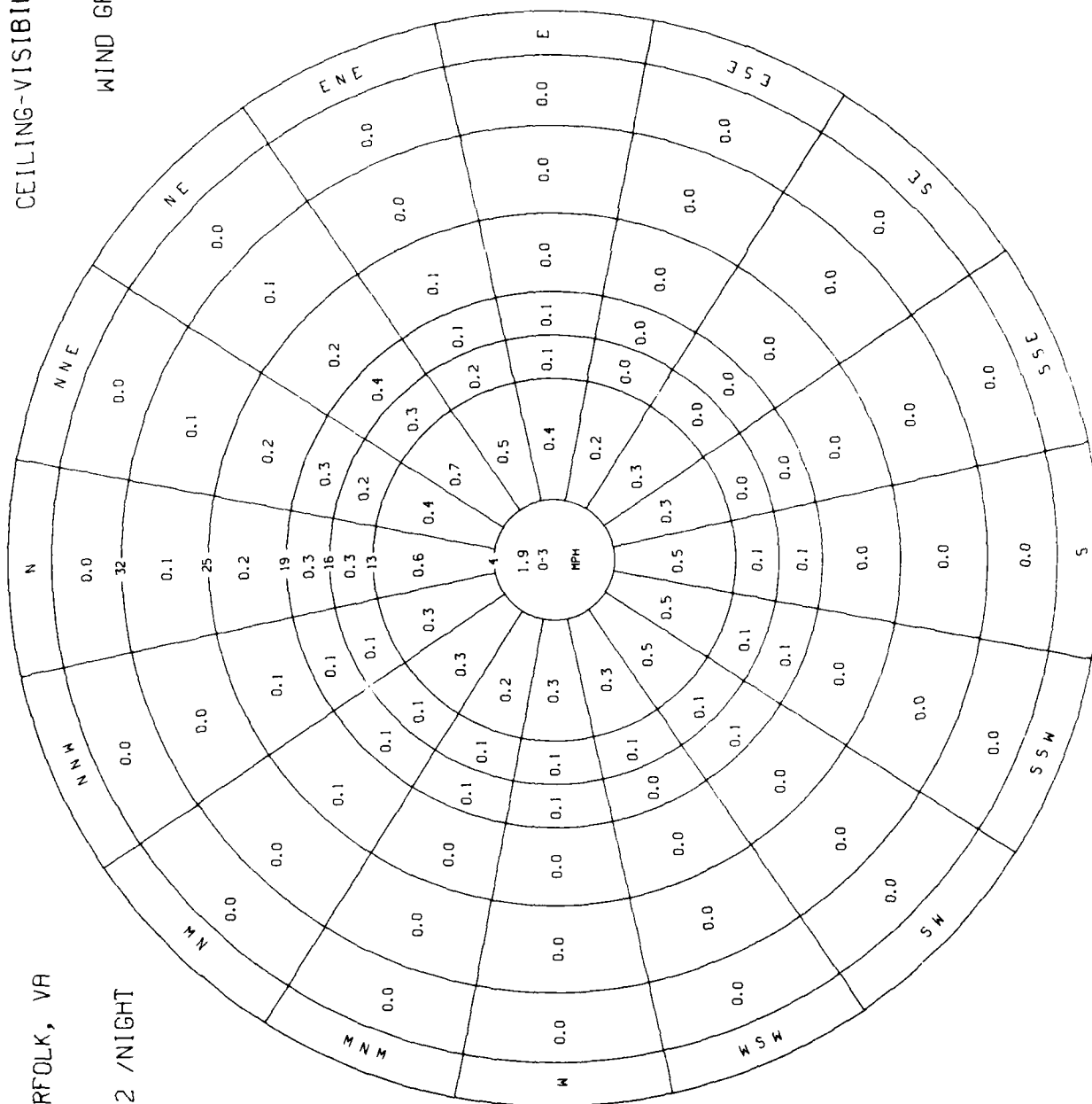
STATION NUMBER: 13737

NO. OBS.: 7344

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.8	5.3	.4	2.4	.4	2.7	.3	1.9	.1	.5	.0	.0	1.9 13.2
NNE	.1	.4	.6	4.1	.3	1.8	.3	2.2	.2	1.3	.1	.6	.0	.0	1.5 10.4
NNE	.1	.4	.7	5.1	.4	2.7	.4	3.0	.2	1.4	.1	.6	.0	.1	1.9 13.2
ENE	.0	.3	.5	3.5	.3	1.8	.2	1.6	.1	.7	.0	.2	.0	.1	1.2 8.3
E	.1	.4	.4	2.5	.1	.6	.1	.5	.0	.2	.0	.0	.0	.0	.6 4.3
ESE	.0	.3	.2	1.5	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.4 2.6
SE	.1	.5	.2	1.6	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.4 2.9
SSE	.0	.3	.2	1.6	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.4 2.7
S	.1	.7	.7	4.7	.1	.9	.1	.7	.0	.2	.0	.1	.0	.0	1.1 7.3
SSW	.1	.4	.6	4.2	.2	1.0	.1	.7	.0	.1	.0	.0	.0	.0	1.0 6.5
SW	.1	.9	.7	5.1	.2	1.2	.1	.9	.0	.2	.0	.0	.0	.0	1.2 8.3
WSW	.1	.4	.4	2.4	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	.6 4.2
W	.1	.6	.3	2.0	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.5 3.6
WNW	.0	.2	.2	1.4	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.4 2.7
NW	.1	.4	.3	1.9	.1	.7	.1	.7	.0	.3	.0	.1	.0	.0	.6 4.1
NNW	.0	.1	.3	1.3	.1	.8	.1	.9	.1	.5	.0	.1	.0	.1	.6 4.2
CALM	.2	1.4													.2 1.4
TOTAL	1.2	8.1	7.1	48.5	2.4	16.4	2.3	15.9	1.2	8.0	.4	2.6	.1	.6	14.7 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13737

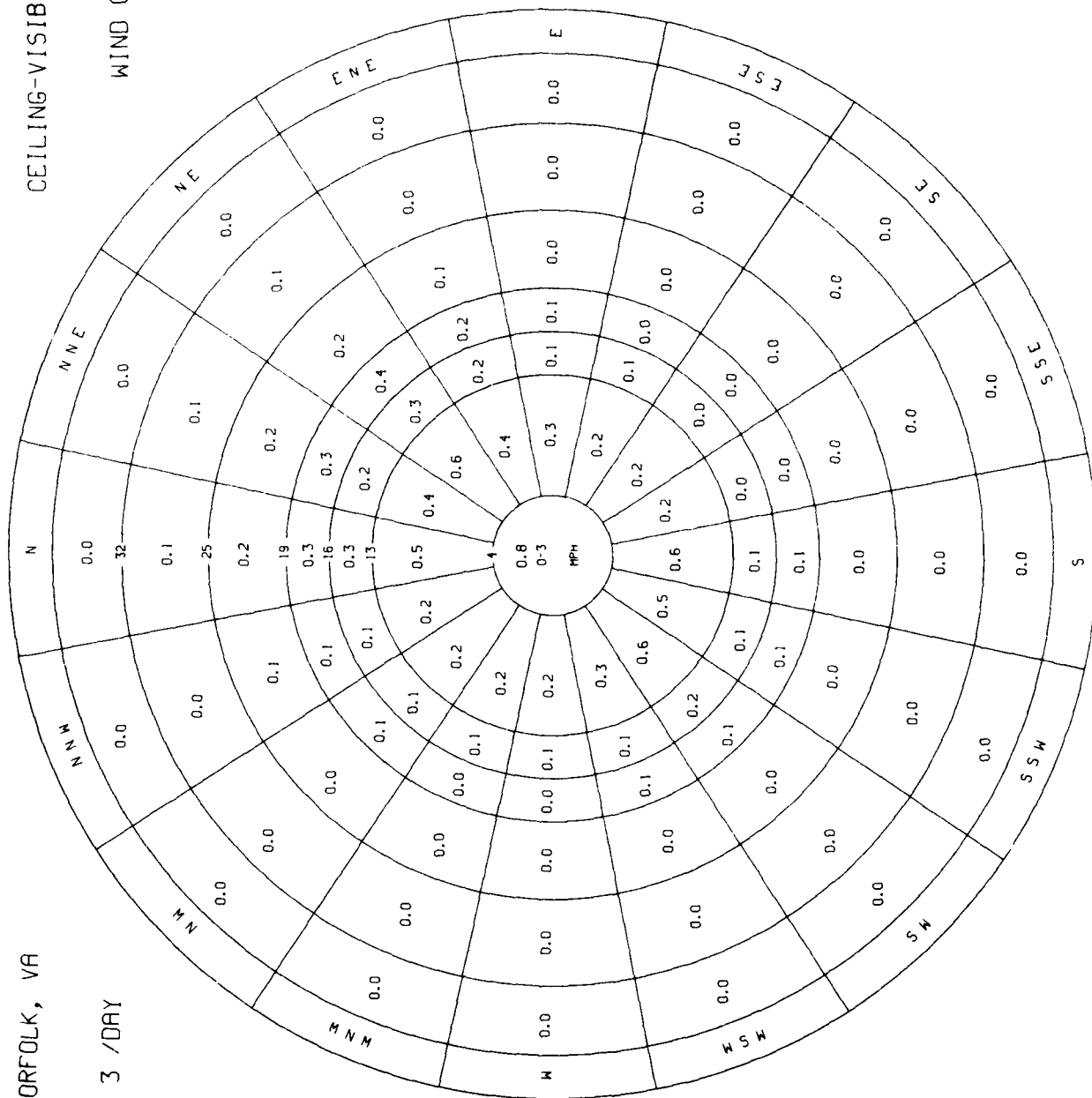
NO. OBS.: 5543

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.9	.6	4.5	.3	2.2	.3	2.0	.2	1.7	.1	.6	.0	.2	1.6	12.1	13.8
NNE	.1	.4	.4	3.2	.2	1.7	.3	2.2	.2	1.7	.1	.6	.0	.1	1.4	10.0	15.0
NE	.1	.9	.7	5.2	.3	2.3	.4	2.7	.2	1.4	.1	.4	.0	.1	1.8	13.1	13.1
ENE	.1	.5	.5	3.9	.2	1.1	.1	.9	.1	.5	.0	.3	.0	.1	1.0	7.4	11.9
E	.1	.8	.4	2.9	.1	.4	.1	.5	.0	.2	.0	.1	.0	.0	.7	4.9	9.5
ESE	.1	.6	.2	1.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.4	2.9	8.8
SE	.1	.9	.3	2.1	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.5	3.8	8.5
SSE	.1	.6	.3	1.9	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.4	3.2	8.6
S	.2	1.3	.5	3.8	.1	.6	.1	.8	.0	.3	.0	.0	.0	.0	.9	6.8	9.0
SSW	.1	.8	.5	3.3	.1	.6	.1	.4	.0	.2	.0	.0	.0	.0	.7	5.4	9.2
SW	.1	1.1	.5	4.0	.1	1.0	.1	.5	.0	.1	.0	.1	.0	.0	.9	6.7	8.9
WSW	.1	.5	.3	2.1	.1	.6	.0	.3	.0	.1	.0	.1	.0	.0	.5	3.6	9.8
W	.1	.8	.3	2.2	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.6	4.1	9.6
WNW	.0	.4	.2	1.6	.1	.4	.1	.5	.0	.3	.0	.1	.0	.0	.4	3.3	11.4
NW	.1	.6	.3	2.1	.1	.7	.1	.8	.1	.5	.0	.1	.0	.0	.7	4.9	11.5
NNW	.1	.4	.3	1.9	.1	.9	.1	1.0	.1	.8	.0	.2	.0	.0	.7	5.1	13.4
CALM	.4	2.8													.4	2.8	
TOTAL	1.9	14.2	6.4	46.5	1.9	14.0	1.9	13.7	1.2	8.4	.4	2.6	.1	.6	13.7	100	11.1

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 3 / DAY

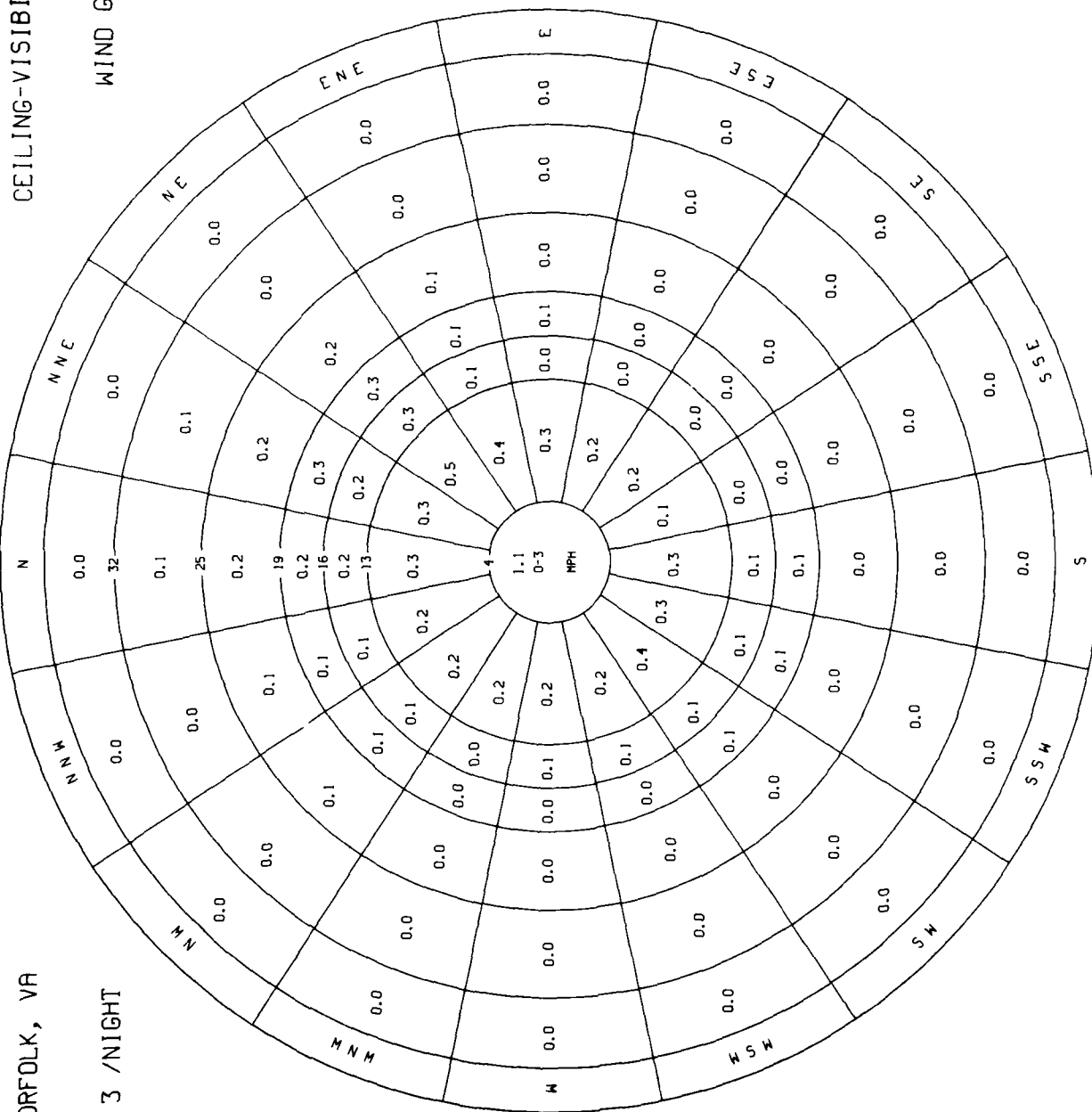
STATION NUMBER: 13737

NO. OBS.: 6076

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.3	.5	4.4	.3	2.1	.3	2.7	.2	1.8	.1	.6	.0	.0	1.4	11.9	14.3
NNE	.0	.3	.4	3.6	.2	1.8	.3	2.3	.2	1.3	.1	.7	.0	.0	1.2	10.0	14.6
NE	.0	.3	.6	5.2	.3	2.8	.4	3.2	.2	1.5	.1	.6	.0	.1	1.7	13.8	14.3
ENE	.0	.2	.4	3.4	.2	2.0	.2	1.8	.1	.8	.0	.2	.0	.2	1.0	8.6	13.9
E	.0	.4	.3	2.7	.1	.6	.1	.6	.0	.3	.0	.0	.0	.0	.6	4.6	11.0
ESE	.0	.2	.2	1.4	.1	.4	.0	.4	.0	.2	.0	.0	.0	.0	.3	2.7	10.9
SE	.0	.3	.2	1.7	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.4	3.1	10.4
SSE	.0	.3	.2	1.6	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.3	2.6	10.4
S	.1	.6	.6	4.7	.1	1.0	.1	.8	.0	.3	.0	.1	.0	.0	.9	7.5	10.3
SSW	.0	.3	.5	4.0	.1	1.2	.1	.8	.0	.2	.0	.0	.0	.0	.8	6.6	10.5
SW	.1	.8	.6	5.0	.2	1.3	.1	1.1	.0	.2	.0	.0	.0	.0	1.0	8.5	10.2
WSW	.0	.3	.3	2.4	.1	.8	.1	.6	.0	.2	.0	.1	.0	.0	.5	4.4	10.7
W	.1	.5	.2	1.9	.1	.5	.0	.4	.0	.2	.0	.0	.0	.0	.4	3.5	9.9
WNW	.0	.2	.2	1.3	.1	.5	.0	.3	.0	.3	.0	.0	.0	.0	.3	2.7	11.8
NW	.0	.3	.2	1.9	.1	.8	.1	.7	.0	.4	.0	.1	.0	.0	.5	4.2	12.2
NNW	.0	.1	.2	1.6	.1	.8	.1	.9	.1	.6	.0	.1	.0	.1	.5	4.1	13.8
CALM	.1	1.1													.1	1.1	
TOTAL	.8	6.8	5.7	46.8	2.1	17.3	2.1	17.3	1.0	8.6	.3	2.7	.1	.5	12.1	100	12.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 3 / NIGHT

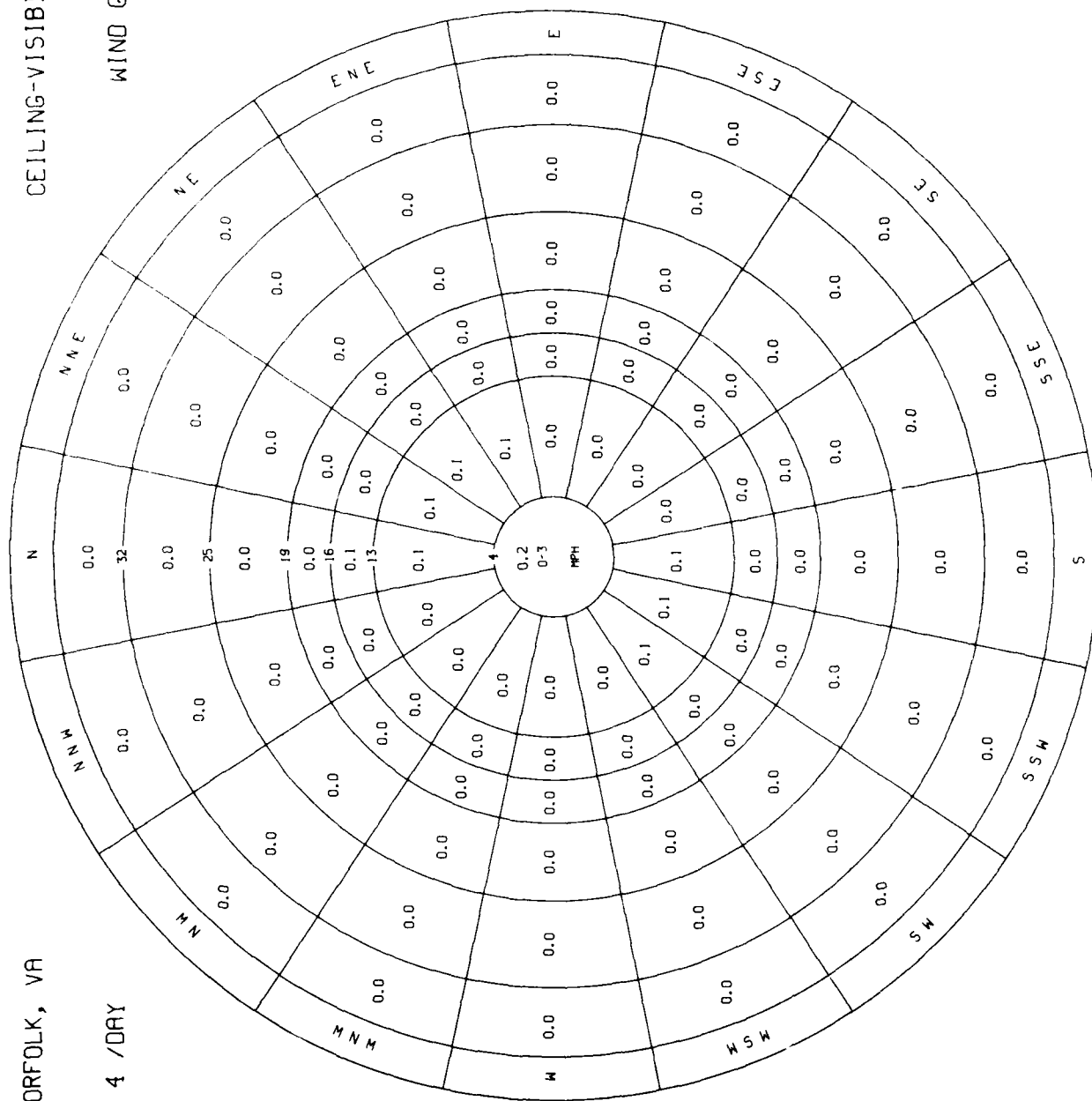
STATION NUMBER: 13737

NO. OBS.: 4039

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.3	3.2	.2	2.1	.2	2.2	.2	2.0	.1	.7	.0	.1	1.1 11.0
NNE	.0	.3	.3	2.8	.2	2.0	.3	2.7	.2	2.1	.1	.8	.0	.1	1.1 10.9
NE	.1	.7	.5	5.1	.3	2.7	.3	3.2	.2	1.9	.0	.5	.0	.1	1.4 14.2
ENE	.0	.4	.4	4.0	.1	1.3	.1	1.1	.1	.6	.0	.3	.0	.1	.8 7.9
E	.1	.7	.3	3.1	.0	.5	.1	.6	.0	.3	.0	.1	.0	.0	.5 5.2
ESE	.1	.5	.2	1.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.3 2.9
SE	.1	.8	.2	1.6	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3 3.3
SSE	.0	.3	.1	1.4	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.2 2.5
S	.1	.7	.3	3.4	.1	.6	.1	1.1	.0	.3	.0	.0	.0	.0	.6 6.2
SSW	.1	.7	.3	3.2	.1	.8	.1	.5	.0	.3	.0	.0	.0	.0	.5 5.5
SW	.1	.9	.4	4.2	.1	1.2	.1	.6	.0	.2	.0	.1	.0	.0	.7 7.1
WSW	.0	.5	.2	1.9	.1	.7	.0	.4	.0	.1	.0	.1	.0	.0	.4 3.6
W	.1	.5	.2	2.2	.1	.6	.0	.4	.0	.3	.0	.0	.0	.0	.4 4.0
WNW	.0	.3	.2	1.5	.0	.4	.0	.4	.0	.4	.0	.1	.0	.0	.3 3.2
NW	.1	.6	.2	2.1	.1	.7	.1	.9	.1	.7	.0	.1	.0	.0	.5 5.1
NNW	.0	.3	.2	1.6	.1	1.0	.1	1.2	.1	.9	.0	.2	.0	.0	.5 5.3
CALM	.2	2.0													.2 2.0
TOTAL	1.1	10.9	4.3	42.8	1.6	15.6	1.6	16.4	1.0	10.4	.3	3.3	.1	.6	10.0 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 4 / DAY

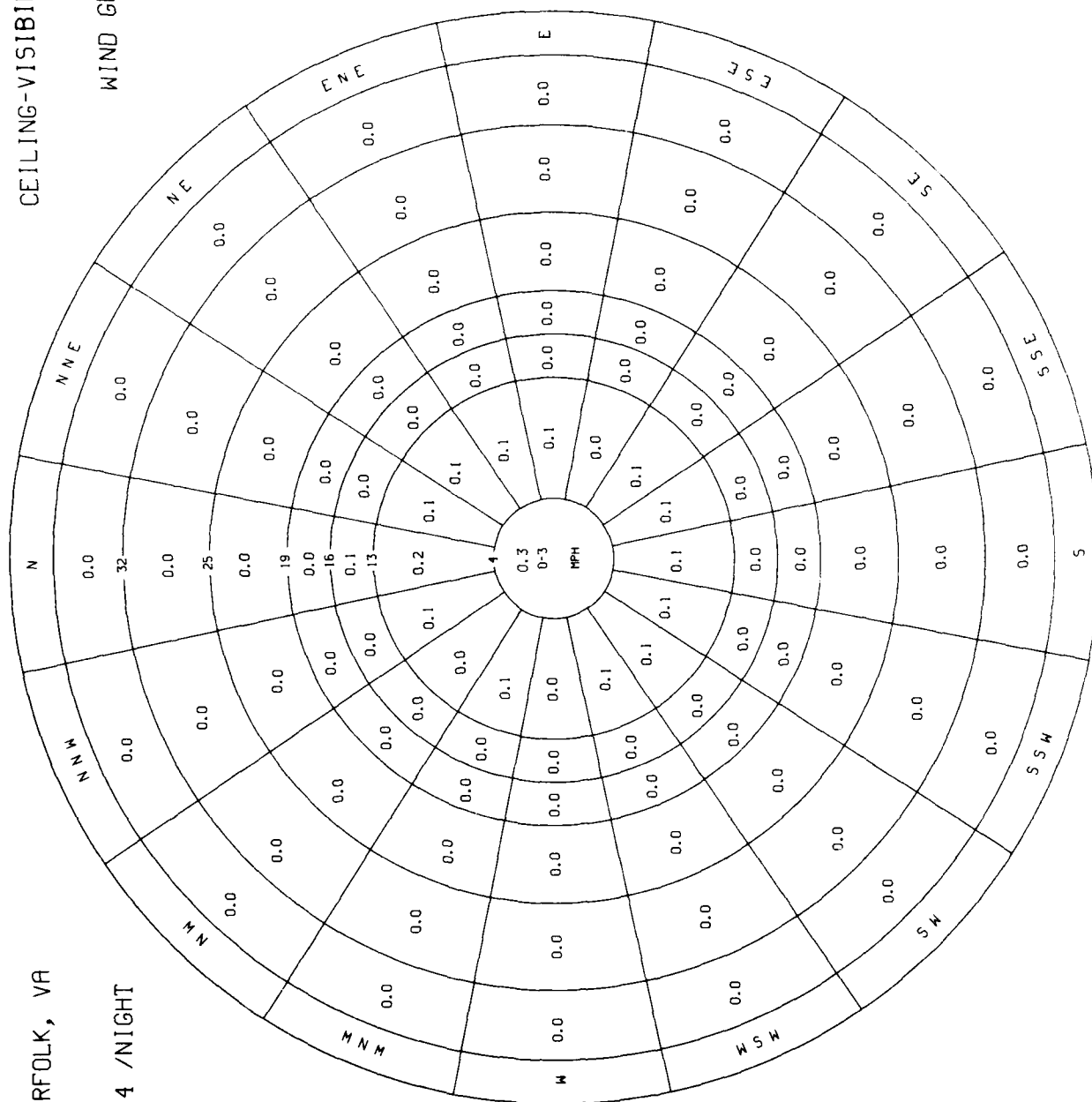
STATION NUMBER: 13737

NO. OBS.: 856

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.8	.1	8.6	.1	4.0	.0	2.7	.0	2.7	.0	.4	.0	.1	.3	19.3	13.2
NNE	.0	.6	.1	6.3	.0	2.0	.0	2.7	.0	1.4	.0	.4	.0	.0	.2	13.3	12.7
NE	.0	.2	.1	4.4	.0	2.1	.0	2.2	.0	.7	.0	.8	.0	.4	.2	10.9	14.2
ENE	.0	.5	.1	4.2	.0	1.1	.0	1.2	.0	.2	.0	.2	.0	.0	.1	7.4	11.4
E	.0	.5	.0	2.1	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.4	8.7
ESE	.0	.2	.0	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.2	8.2
SE	.0	1.1	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.1
SSE	.0	.5	.0	1.9	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.9	8.2
S	.0	.7	.1	4.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.9	8.0
SSW	.0	.5	.1	3.9	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.1	4.9	8.1
SW	.0	1.1	.1	4.9	.0	.5	.0	.4	.0	.1	.0	.0	.0	.0	.1	6.9	8.7
WSW	.0	.6	.0	2.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.4	7.9
W	.0	.9	.0	2.5	.0	.5	.0	.0	.0	.1	.0	.1	.0	.0	.1	4.1	8.5
WNW	.0	.1	.0	1.9	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	2.8	10.3
NW	.0	.5	.0	2.6	.0	.2	.0	.5	.0	.0	.0	.1	.0	.2	.1	4.1	11.3
NNW	.0	.1	.0	2.7	.0	.7	.0	.8	.0	.6	.0	.2	.0	.0	.1	5.1	13.5
CALM	.0	1.8													.0	1.8	
TOTAL	.2	10.5	.9	55.4	.2	13.3	.2	11.8	.1	6.0	.0	2.3	.0	.7	.17	100	10.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 4 / NIGHT

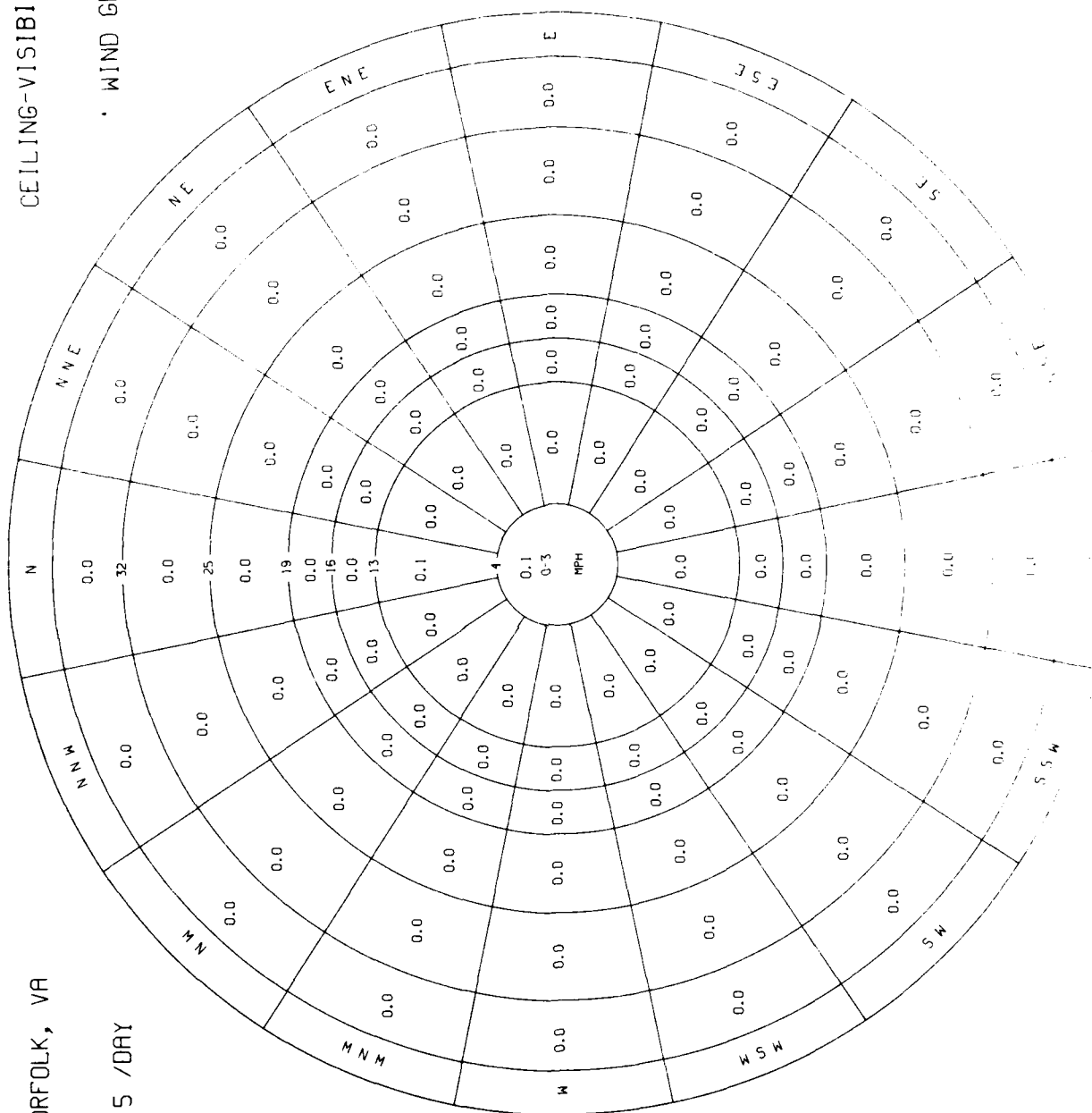
STATION NUMBER: 13737

NO. OBS.: 838

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.0	.2	9.4	.1	2.9	.0	2.1	.0	1.8	.0	.2	.0	.1	.4	17.5	11.9
NNE	.0	.5	.1	3.8	.0	1.1	.0	1.1	.0	.8	.0	.2	.0	.0	.2	7.5	12.0
NE	.0	.5	.1	6.0	.0	1.6	.0	1.8	.0	.6	.0	.2	.0	.0	.2	10.6	11.3
ENE	.0	.6	.1	4.2	.0	.7	.0	.6	.0	.5	.0	.2	.0	.2	.1	7.0	11.5
E	.0	1.1	.1	3.0	.0	.4	.0	.5	.0	.1	.0	.1	.0	.0	.1	5.1	8.4
ESE	.0	.4	.0	1.8	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.9	9.0
SE	.0	.4	.1	3.2	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	3.8	8.4
SSE	.0	1.0	.1	2.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.1	7.4
S	.0	1.4	.1	4.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.6	7.6
SSW	.0	1.0	.1	3.0	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.1	4.4	7.1
SW	.0	1.2	.1	3.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.9	6.9
WSW	.0	.6	.1	2.7	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.2	8.6
W	.0	.8	.0	2.4	.0	.6	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.3	9.3
WNW	.0	.6	.1	2.5	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.1	4.5	9.8
NW	.0	.5	.0	2.4	.0	1.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.5	9.8
NNW	.0	.2	.1	3.5	.0	.8	.0	.4	.0	.6	.0	.2	.0	.0	.1	5.7	12.2
CALM	.0	2.3													.0	2.3	
TOTAL	.3	13.8	1.2	57.9	.3	12.5	.2	9.1	.1	5.0	.0	1.3	.0	.4	.2	1.00	9.8

ORF NORFOLK, VA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA.

PERIOD: 1948-1978

CLASS 5 / DAY

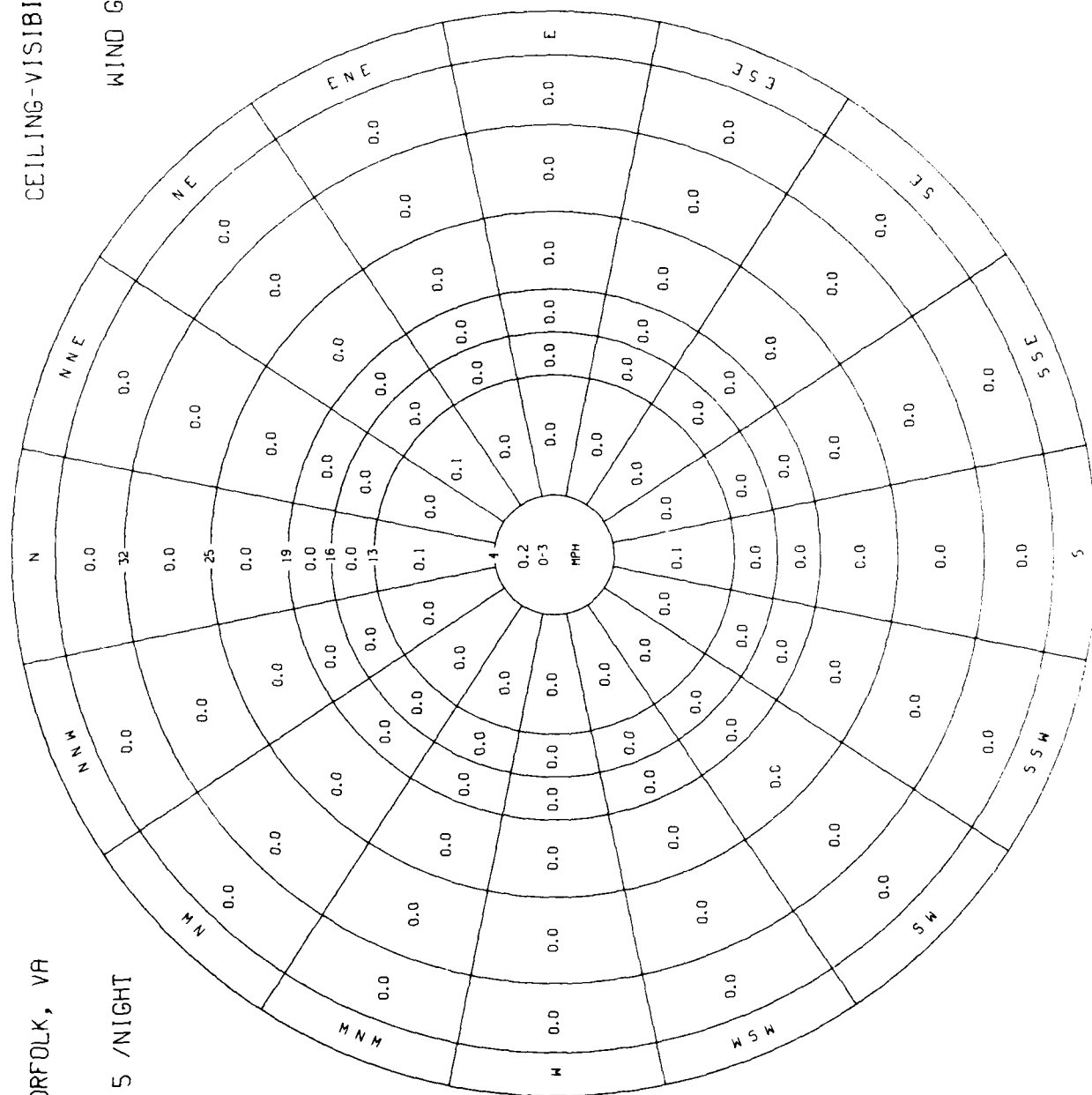
STATION NUMBER: 13737

NO. OBS.: 216

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	13.0	.0	4.2	.0	2.3	.0	1.4	.0	.5	.0	.5	.1 21.8
NNE	.0	1.9	.0	7.9	.0	1.9	.0	.5	.0	1.4	.0	.0	.0	.0	.1 13.4
NE	.0	1.9	.0	7.4	.0	1.9	.0	1.9	.0	1.9	.0	.0	.0	.0	.1 14.8
ENE	.0	.5	.0	4.2	.0	.5	.0	.0	.0	.9	.0	.0	.0	.0	.0 6.0
E	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SE	.0	.9	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SSE	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
S	.0	.5	.0	4.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
SSW	.0	1.4	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
SW	.0	.9	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
WSW	.0	.9	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
W	.0	.5	.0	2.3	.0	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0 4.2
WNW	.0	.5	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NW	.0	.5	.0	1.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0 2.8
NNW	.0	.0	.0	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
CALM	.0	2.3													.0 2.3
TOTAL	.1	14.4	.3	60.6	.1	12.0	.0	6.0	.0	6.0	.0	.5	.0	.5	.4 100
															9.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 5 / NIGHT

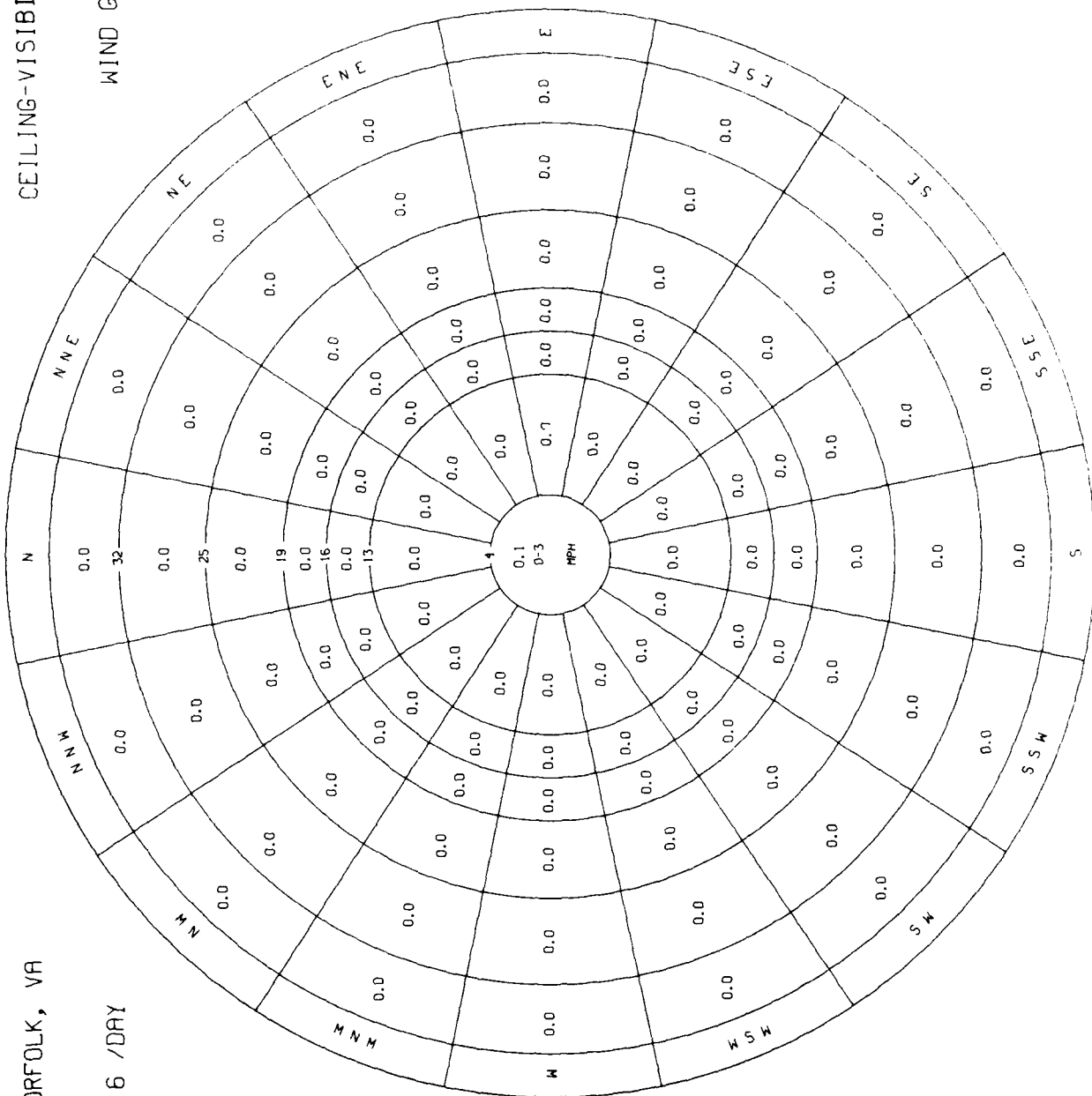
STATION NUMBER: 13737

NO. OBS.: 342

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.5	.1	8.5	.0	3.2	.0	.9	.0	.3	.0	.6	.0	.3	.1	15.2	11.1
NNE	.0	.3	.0	5.6	.0	.6	.0	1.2	.0	.3	.0	.3	.0	.3	.1	8.5	11.7
NE	.0	1.2	.1	6.1	.0	1.8	.0	1.2	.0	.0	.0	.0	.0	.0	.1	10.2	9.2
ENE	.0	.6	.0	3.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.7	8.1
E	.0	1.5	.0	1.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.2	5.7
ESE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.2
SE	.0	1.8	.0	3.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.4
SSE	.0	2.0	.0	3.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.9
S	.0	2.3	.1	7.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.5	6.7
SSW	.0	.9	.0	4.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.4
SW	.0	1.2	.0	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.4
WSW	.0	.0	.0	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	9.1
W	.0	2.3	.0	3.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.3
WNW	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.9	8.0
NW	.0	.3	.0	2.6	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.8	8.2
NNW	.0	.3	.0	1.2	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	2.3	11.1
CALM	.0	5.6													.0	5.6	
TOTAL	.2	23.7	.5	59.6	.1	9.6	.0	4.4	.0	1.2	.0	.9	.0	.6	.8	100	7.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 6 / DAY

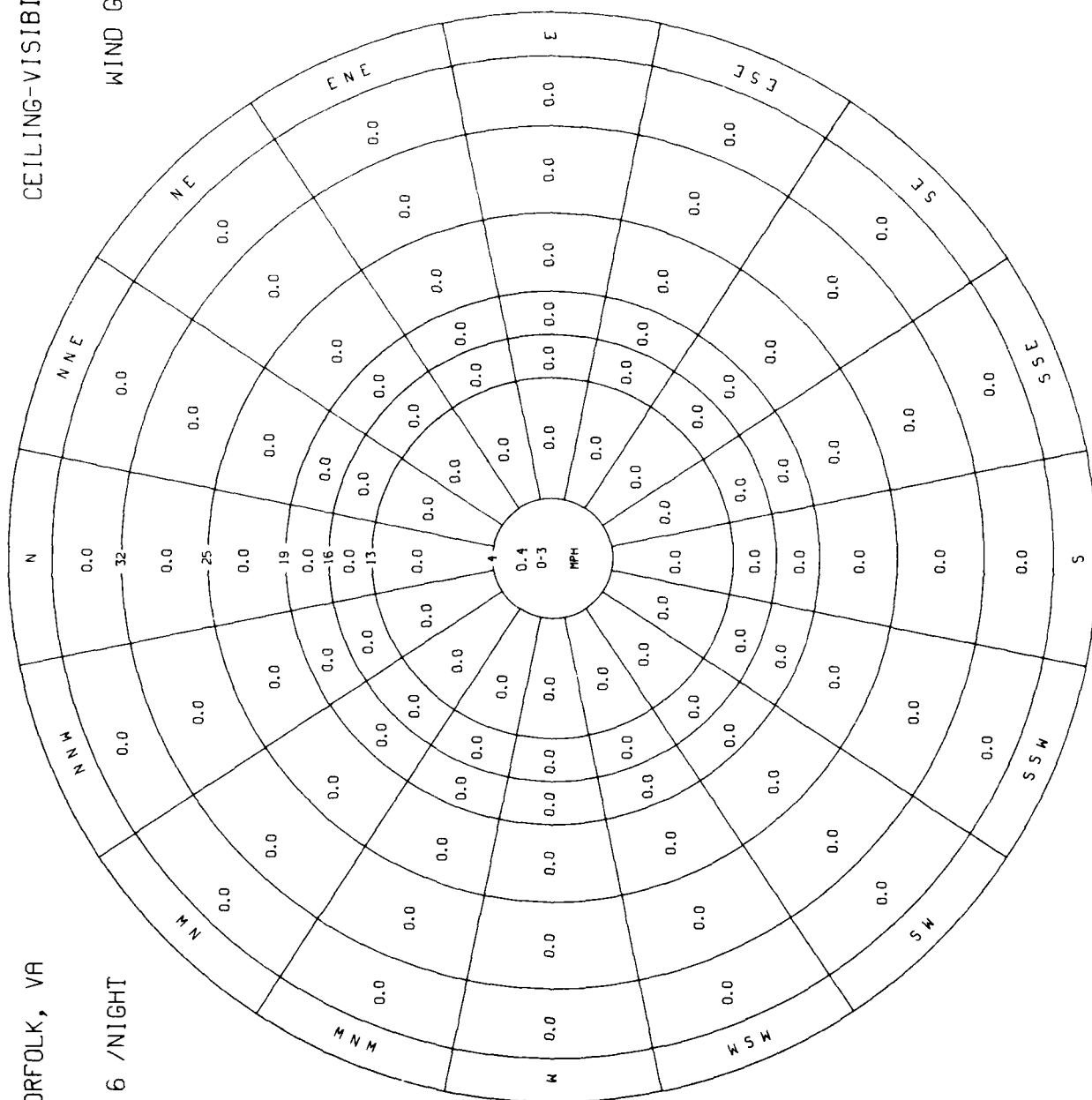
STATION NUMBER: 13737

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.5	.0	10.7	.0	1.5	.0	1.5	.0	.0	.0	1.0	.0	.0	.0	.1	15.3	10.3
NNE	.0	.0	.0	5.1	.0	1.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	7.1	11.6
NE	.0	.5	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.2
ENE	.0	2.6	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.8
E	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.2
ESE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
SE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.5
SSE	.0	1.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.7
S	.0	4.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	5.0
SSW	.0	2.0	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2	5.9
SW	.0	3.1	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	9.7	6.7
WSW	.0	1.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.9
W	.0	2.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	3.5
WNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
NW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.2
NNW	.0	.5	.0	2.6	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.6	9.0
CALM	.0	6.1													.0	.0	6.1	
TOTAL	.1	30.6	.2	60.2	.0	4.6	.0	2.0	.0	.5	.0	1.5	.0	.5	.0	.4	100	6.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 6 / NIGHT

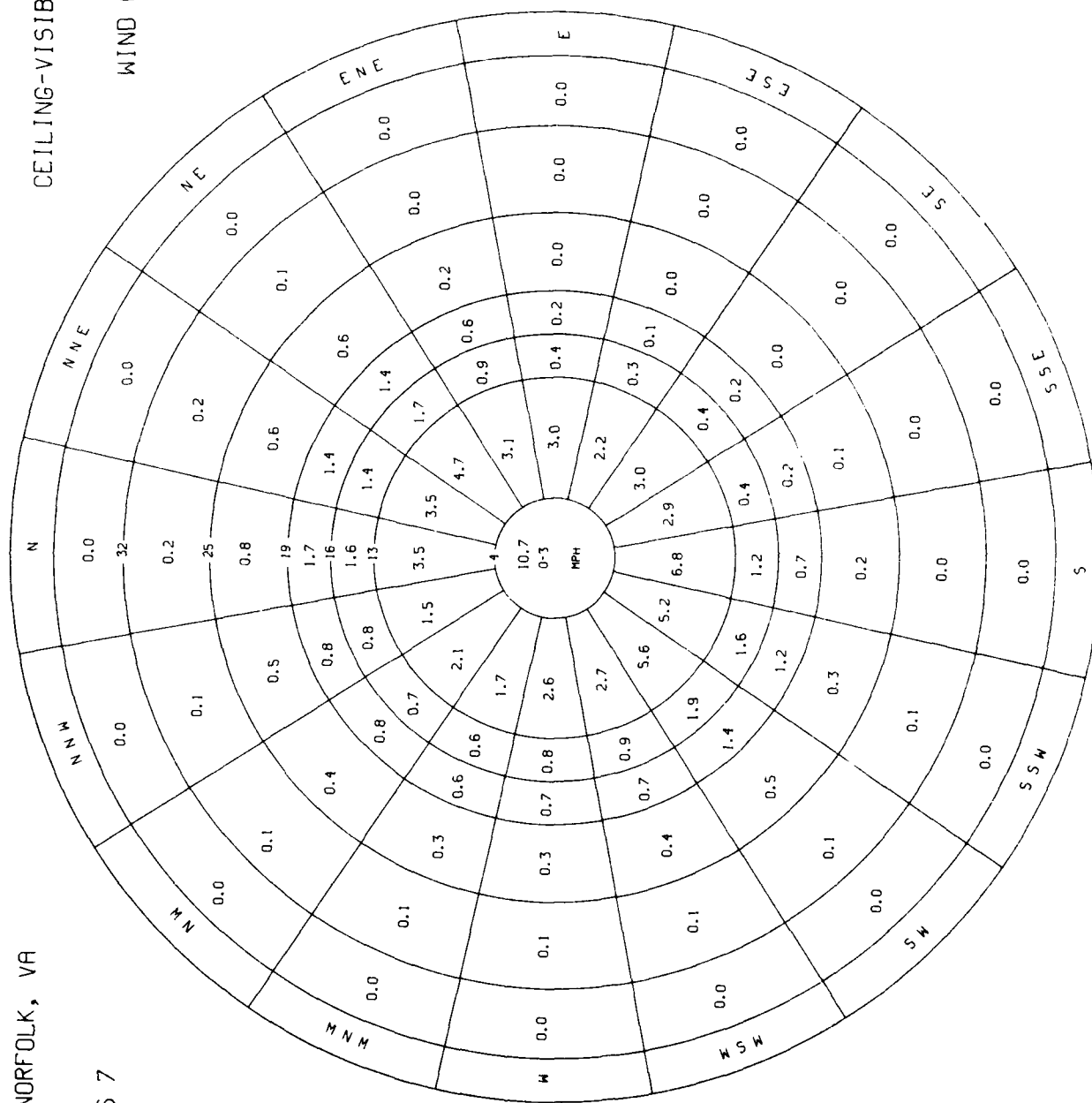
STATION NUMBER: 13737

NO. OBS.: 324

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.5	.0	3.4	.0	.3	.0	.6	.0	.0	.0	.0	.0	.3	.1 7.1
NNE	.0	1.2	.0	4.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.5
NE	.0	3.4	.0	4.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 8.3
ENE	.0	1.5	.0	3.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
E	.0	.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
ESE	.0	2.2	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 3.7
SE	.0	2.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.1
SSE	.0	2.2	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.1
S	.1	7.1	.0	3.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.4
SSW	.0	2.2	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.8
SW	.0	3.1	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.0
WSW	.0	.3	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
W	.0	1.5	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 3.1
WNW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
NW	.0	2.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
NNW	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
CALM	.1	11.7													.1 11.7
TOTAL	.4	46.3	.4	49.1	.0	2.8	.0	1.5	.0	.0	.0	.0	.0	.3	.8 100
															5.0

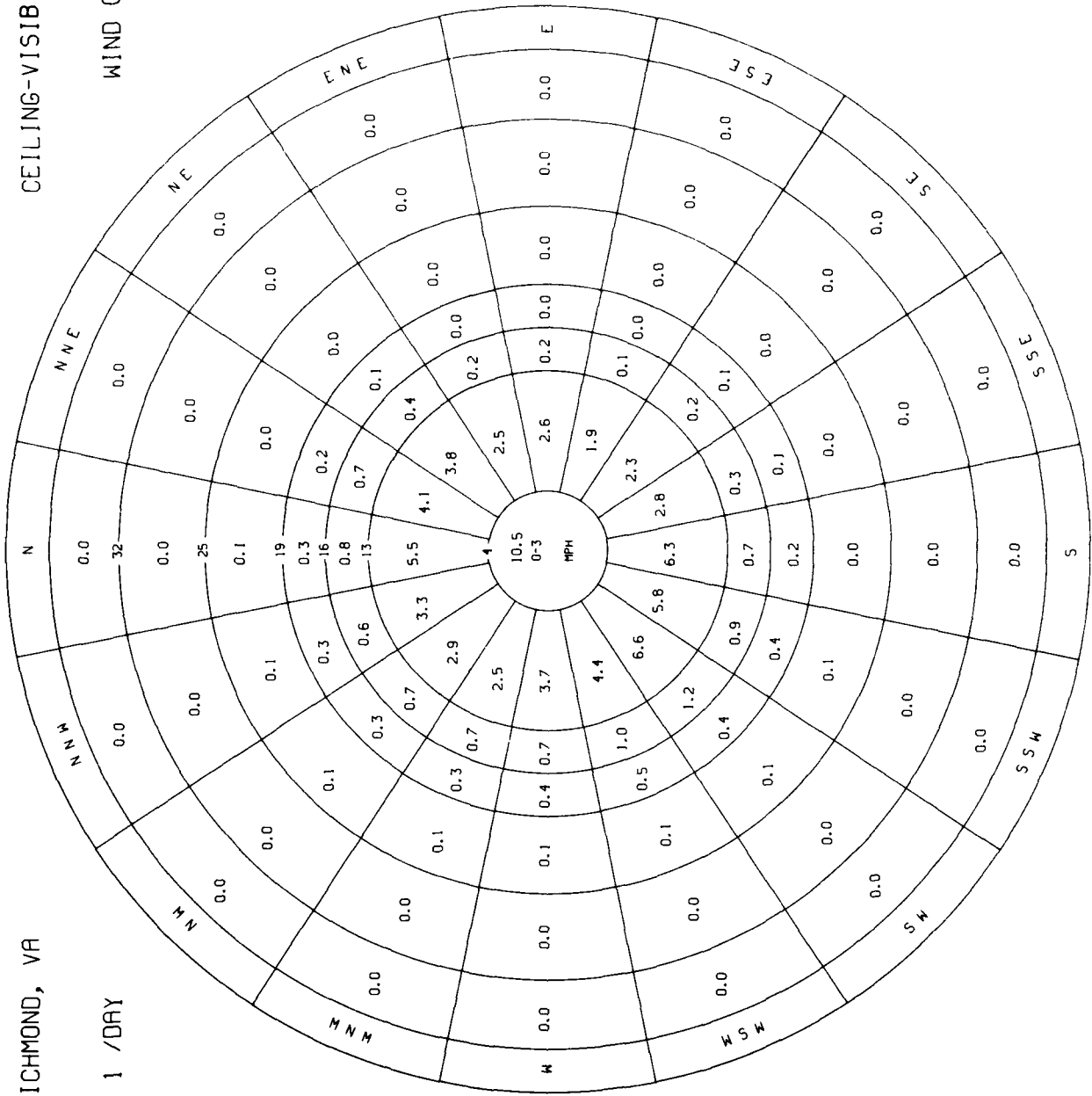
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 1 / DAY

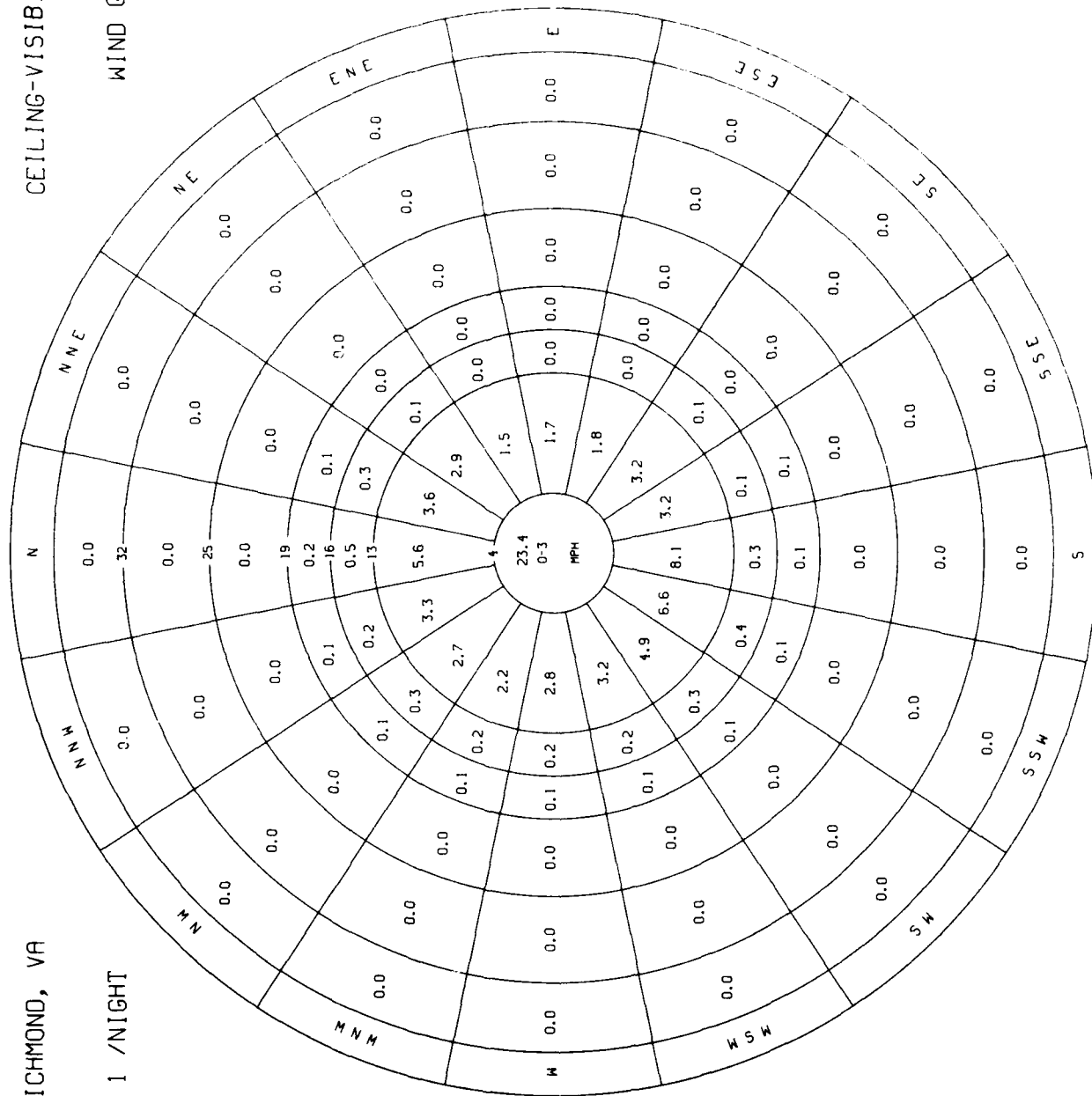
STATION NUMBER: 13740

NO. OBS.: 42727

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.7	.8	5.5	6.4	.8	1.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	7.4	8.7	8.7
NNE	.4	.5	4.1	4.8	.7	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	5.5	6.5	8.9
NE	.5	.6	3.8	4.5	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	4.8	5.7	8.1
ENE	.4	.5	2.5	2.9	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.2	3.8	7.7
E	.5	.6	2.6	3.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.8	7.3
ESE	.4	.5	1.9	2.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.9	7.4
SE	.5	.6	2.3	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.1	3.6	7.5
SSE	.4	.5	2.8	3.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.3	7.9
S	.9	1.1	6.3	7.4	.7	.8	.2	.2	.0	.1	.0	.0	.0	.0	.0	8.2	9.6	8.0
SSW	.6	.7	5.8	6.7	.9	1.0	.4	.4	.1	.1	.0	.0	.0	.0	.0	7.7	9.1	9.0
SW	.8	.9	6.6	7.8	1.2	1.4	.4	.5	.1	.1	.0	.0	.0	.0	.0	9.1	10.7	9.0
WSW	.5	.5	4.4	5.2	1.0	1.1	.5	.5	.1	.1	.0	.0	.0	.0	.0	6.5	7.6	9.7
W	.6	.7	3.7	4.3	.7	.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	5.5	6.4	9.1
WNW	.4	.5	2.5	2.9	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	3.9	4.6	9.7
NW	.5	.6	2.9	3.4	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.5	5.3	9.3
NNW	.4	.5	3.3	3.9	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.7	5.5	9.1
CALM	1.7	2.0														1.7	2.0	
TOTAL	10.5	12.2	60.9	71.3	9.4	11.0	3.7	4.3	.9	1.0	.1	.1	.0	.0	.0	85.4	100	8.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 1 / NIGHT

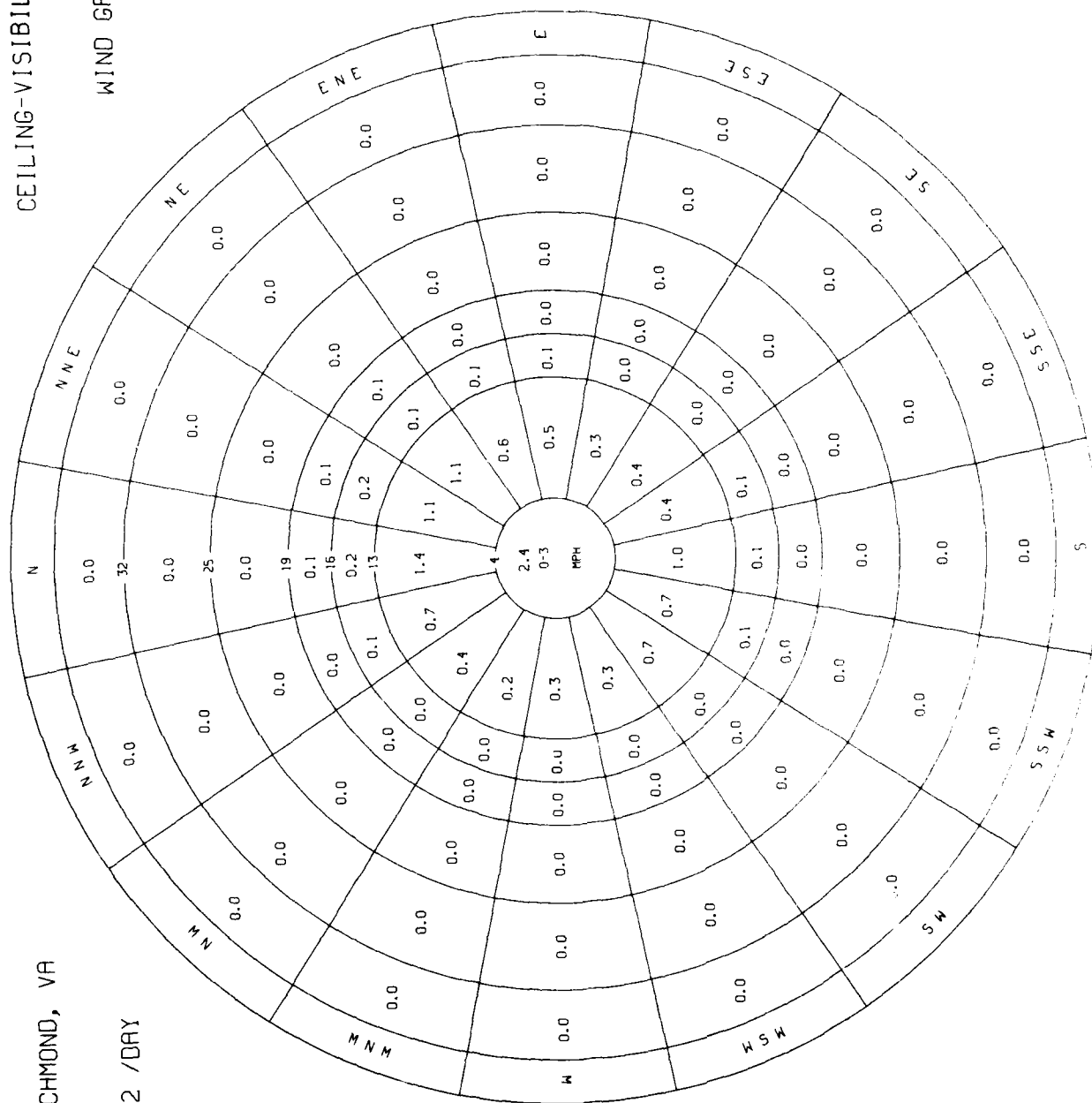
STATION NUMBER: 13740

NO. OBS.: 34896

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.3	1.5	5.6	6.5	.5	.5	.2	.2	.0	.1	.0	.0	.0	.0	7.5 8.7
NNE	.8	.9	3.6	4.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.8 5.6
NE	1.0	1.1	2.9	3.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.1 4.7
ENE	.7	.9	1.5	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.7
E	1.0	1.1	1.7	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.2
ESE	1.0	1.1	1.8	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8 3.3
SE	1.7	2.0	3.2	3.7	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	5.1 5.9
SSE	1.5	1.7	3.2	3.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.9 5.7
S	2.5	2.9	8.1	9.5	.3	.4	.1	.1	.0	.1	.0	.0	.0	.0	11.1 12.9
SSW	1.3	1.5	6.6	7.6	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	8.4 9.8
SW	1.2	1.3	4.9	5.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.5 7.6
WSW	.7	.8	3.2	3.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.3 5.0
W	.9	1.0	2.8	3.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	4.0 4.7
WNW	.5	.6	2.2	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.0 3.5
NW	.8	1.0	2.7	3.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0 4.7
NNW	.8	.9	3.3	3.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.5 5.2
CALM	5.9	6.9													5.9 6.9
TOTAL	23.4	27.2	57.5	66.7	3.5	4.1	1.4	1.6	.3	.4	.0	.0	.0	.0	86.1 100
															6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 2 / DAY

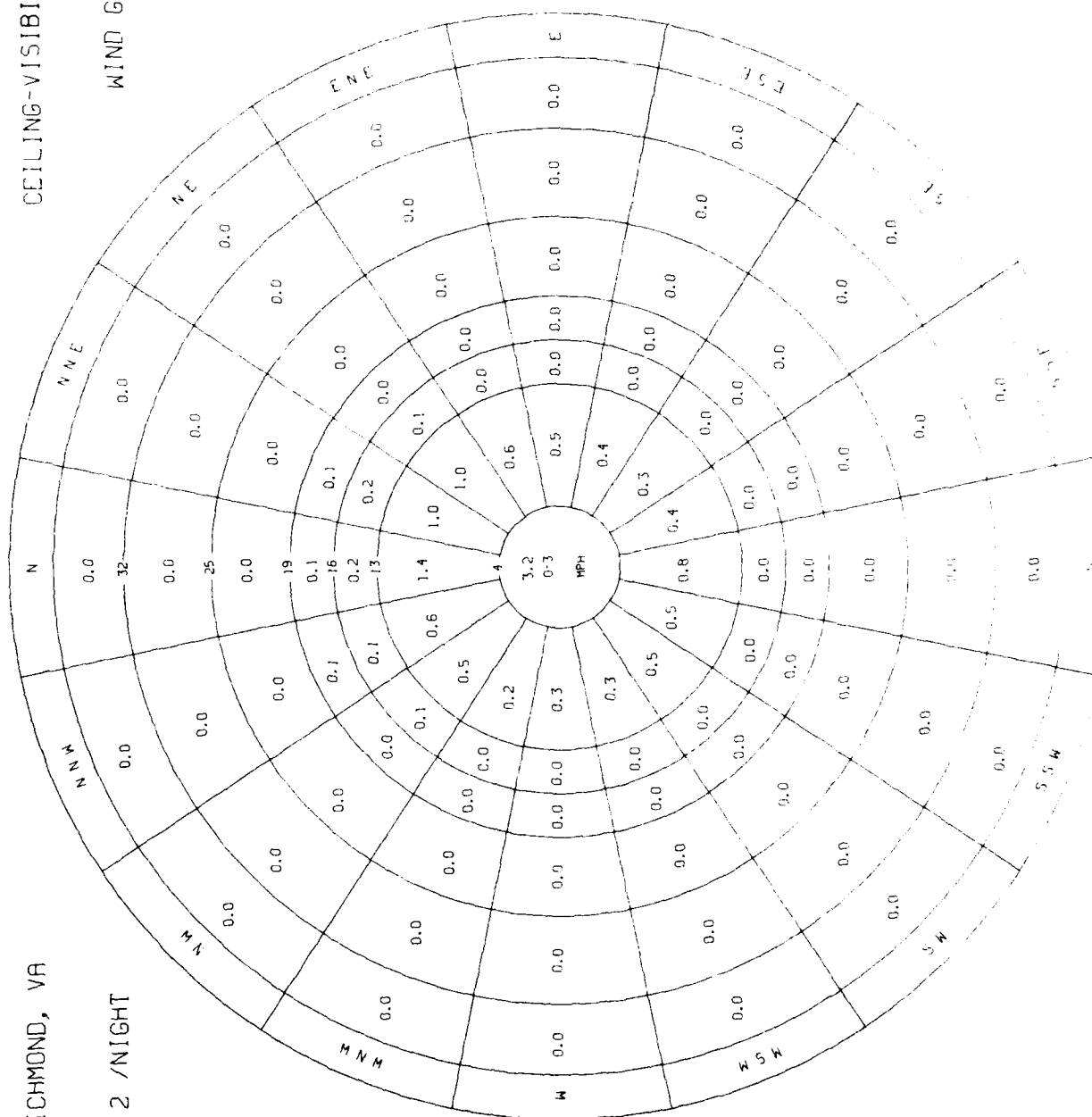
STATION NUMBER: 13740

NO. OBS.: 7302

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.2	1.4	9.4	.2	1.2	.1	.6	.0	.1	.0	.0	.0	.0	1.8 12.5
NNE	.1	.7	1.1	7.8	.2	1.4	.1	.6	.0	.3	.0	.0	.0	.0	1.6 10.9
NE	.1	.9	1.1	7.8	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.5 10.0
ENE	.1	.6	.6	4.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.8 5.6
E	.1	.8	.5	3.6	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.9
ESE	.1	.4	.3	2.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.2
SE	.1	.9	.4	2.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.2
SSE	.1	.8	.4	3.1	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.5
S	.2	1.6	1.0	7.1	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.4 9.7
SSW	.1	.7	.7	5.0	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.9 6.4
SW	.1	.9	.7	4.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.9 5.9
WSW	.1	.6	.3	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.0
W	.1	.9	.3	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.1
WNW	.1	.4	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.3
NW	.1	.6	.4	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.6 3.9
NNW	.1	.6	.7	4.5	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.9 6.1
CALM	.5	3.6													.5 3.6
TOTAL	2.4	16.3	10.4	70.9	1.1	7.7	.5	3.6	.2	1.2	.0	.2	.0	.0	14.6 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13740

NO. OBS.: 5642

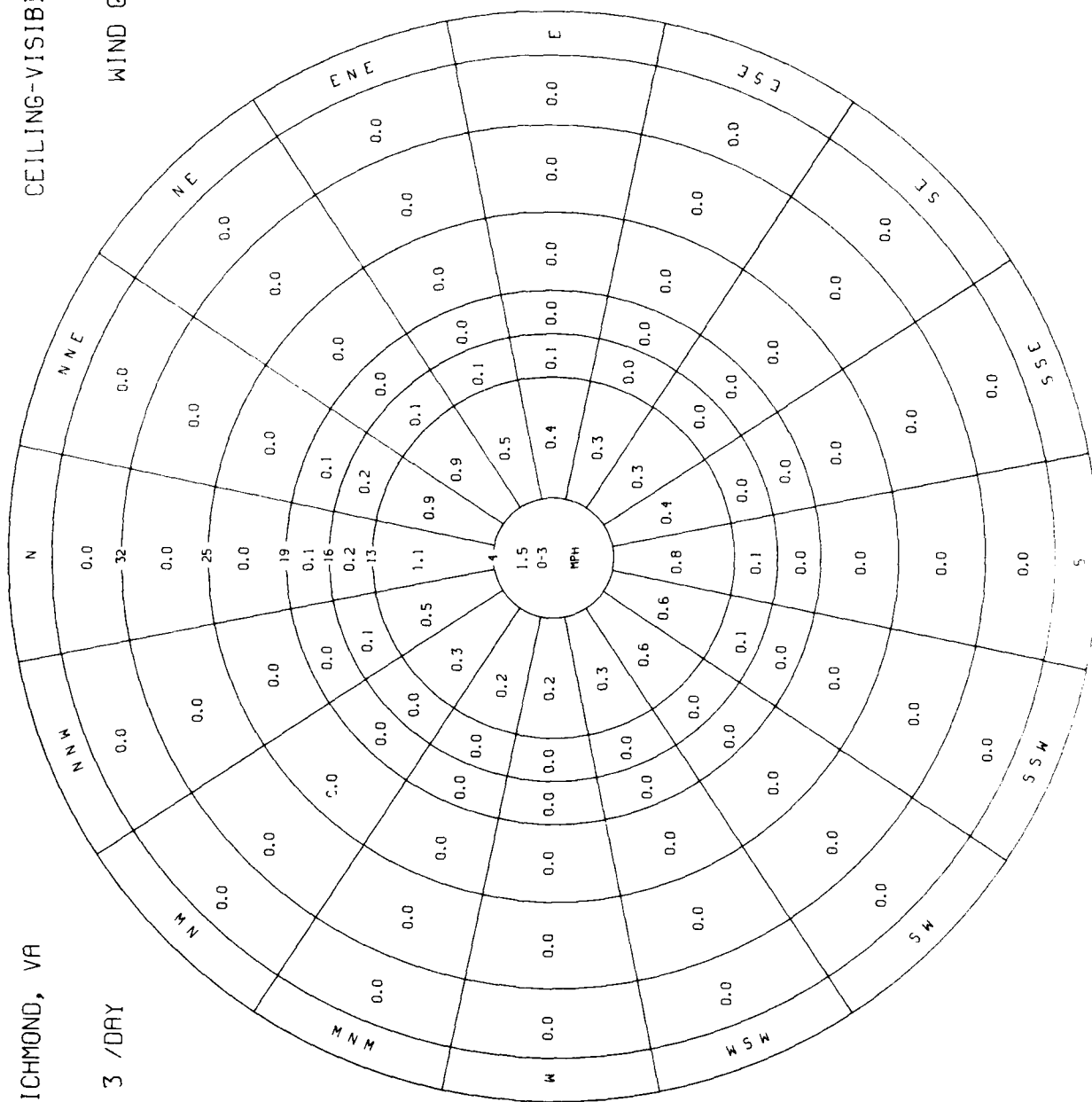
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.3	1.4	9.9	.2	1.2	.1	.4	.0	.2	.0	.0	.0	.0	1.8 13.0
NNE	.1	.9	1.0	7.2	.2	1.5	.1	.7	.0	.2	.0	.0	.0	.0	1.5 10.5
NE	.2	1.2	1.0	7.2	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	1.3 9.6
ENE	.1	.9	.6	4.2	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.8 5.6
E	.2	1.4	.5	3.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 5.5
ESE	.1	1.1	.4	2.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.6 4.0
SE	.2	1.2	.3	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.0
SSE	.1	1.0	.4	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.8
S	.3	2.0	.8	5.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	1.1 8.0
SSW	.1	1.0	.5	3.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.1
SW	.1	.8	.5	3.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.6
WSW	.1	.7	.3	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.7
W	.2	1.2	.3	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.5
WNW	.1	.8	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.3
NW	.1	1.0	.5	3.4	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.1
NNW	.2	1.1	.6	4.4	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.9 6.6
CALM	.7	5.4													.7 5.4
TOTAL	3.2	22.9	9.2	66.0	1.0	7.1	.4	3.0	.1	1.0	.0	.1	.0	.0	13.9 100

CEILING-VISIBILITY

WIND GRAPH

RIC RICHMOND, VA

CLASS 3 /DAY



SEEKING VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RICHMOND, VA

PERIOD: 1948-1978

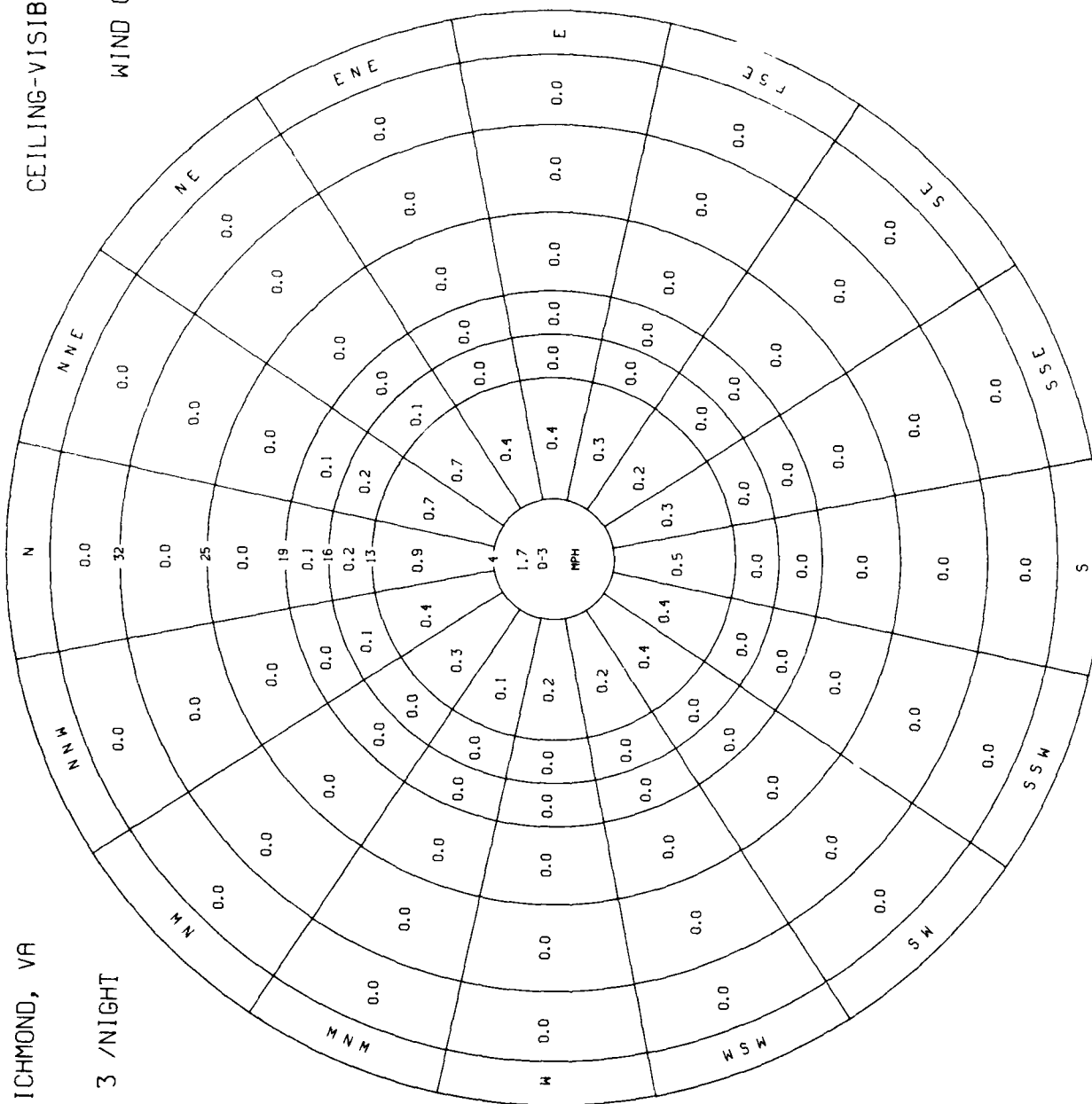
CLASS 3 / DAY

STATION NUMBER: 13740

NO. OBS.: 5826

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	1.1	1.1	9.4	.2	1.4	.1	.7	.0	.1	.0	.0	.0	.0	.0	1.5	12.7	9.1
NNE	.1	.5	.9	8.1	.2	1.6	.1	.8	.0	.3	.0	.0	.0	.0	.0	1.3	11.3	10.0
NE	.1	.7	.9	8.1	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	1.2	10.2	8.8
ENE	.1	.5	.5	4.3	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.7	6.0	9.1
E	.1	.6	.4	3.6	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.6	4.9	8.3
ESE	.0	.3	.3	2.3	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.4	3.1	8.6
SE	.1	.7	.3	2.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.0	7.7
SSE	.1	.7	.4	3.1	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.5	4.5	8.3
S	.2	1.4	.8	6.9	.1	.7	.0	.4	.0	.1	.0	.0	.0	.0	.0	1.1	9.5	7.9
SSW	.1	.6	.6	5.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	6.9	8.3
SW	.1	.8	.6	5.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	6.2	7.3
WSW	.1	.5	.3	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.9	7.0
W	.1	.7	.2	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	6.7
WNW	.0	.3	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.3	7.8
NW	.0	.4	.3	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.4	3.8	8.3
NNW	.0	.4	.5	4.4	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.7	5.9	9.0
CALM	.3	3.0														.3	3.0	
TOTAL	1.5	13.3	8.4	72.2	1.0	8.9	.5	4.1	.2	1.4	.0	.2	.0	.1		11.6	100	8.3

RIC RICHMOND, VA
 CLASS 3 /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

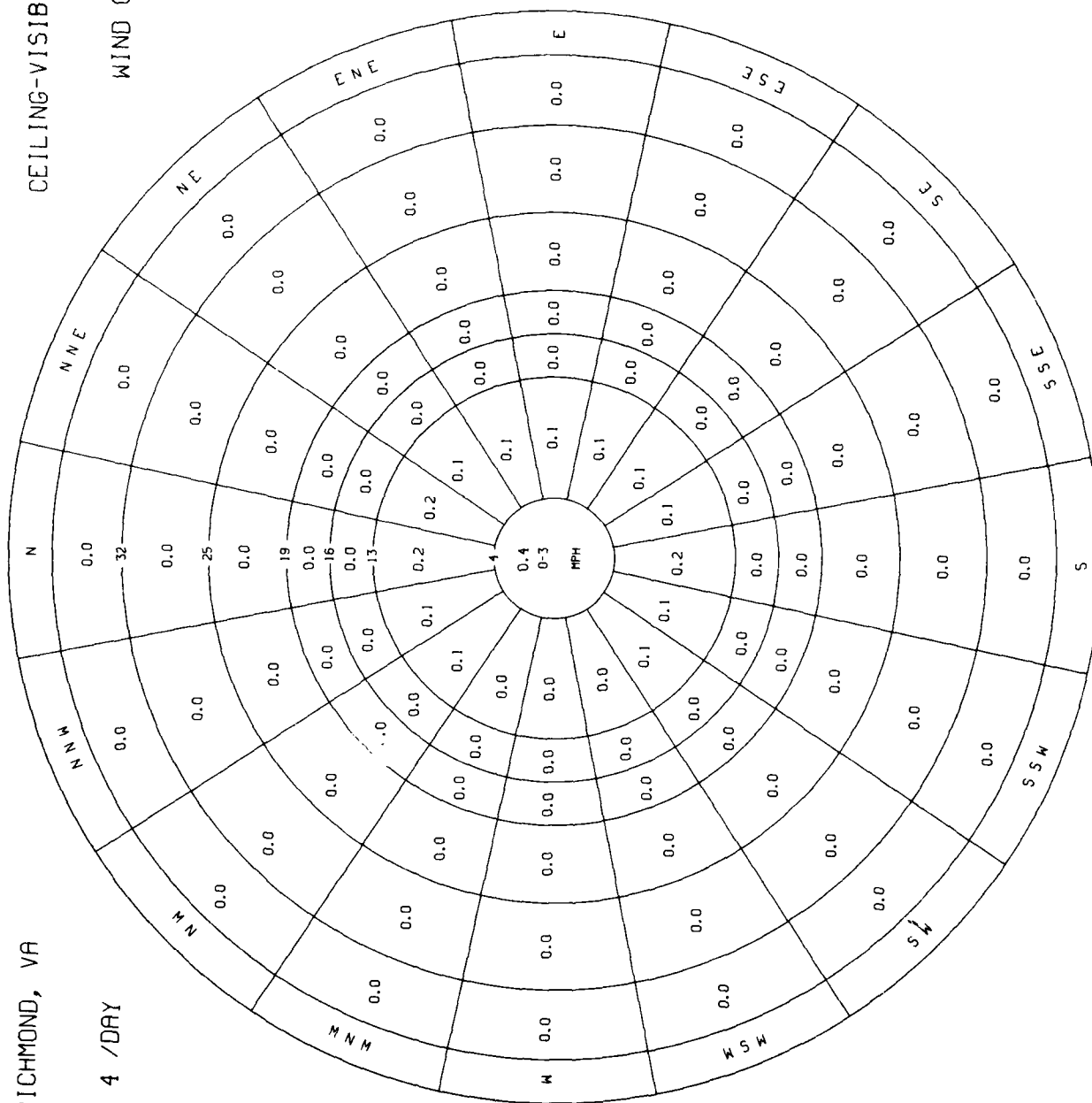
CLASS 3 / NIGHT

STATION NUMBER: 13740

NO. OBS.: 3829

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.9	9.8	.2	1.6	.1	.5	.0	.3	.0	.0	.0	.0	1.3 13.2
NNE	.1	.6	.7	7.6	.2	2.1	.1	.9	.0	.3	.0	.0	.0	.0	1.1 11.4
NE	.1	.9	.7	7.5	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.9 9.9
ENE	.1	.7	.4	4.2	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 5.6
E	.1	1.1	.4	3.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.5 5.5
ESE	.1	.7	.3	2.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.7
SE	.1	.9	.2	2.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.7
SSE	.1	.8	.3	3.2	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.5 4.9
S	.2	2.0	.5	5.6	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.8 8.3
SSW	.1	.8	.4	3.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.2
SW	.1	.7	.4	4.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.2
WSW	.0	.5	.2	1.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.7
W	.1	1.0	.2	2.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.4
WNW	.1	.6	.1	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.1
NW	.1	.7	.3	3.1	.0	.5	.0	.3	.0	.1	.0	.0	.0	.0	.4 4.6
NNW	.1	.9	.4	4.5	.1	.8	.0	.5	.0	.1	.0	.0	.0	.0	.6 6.8
CALM	.4	3.9													.4 3.9
TOTAL	1.7	17.8	6.4	67.4	.9	9.2	.4	4.1	.1	1.4	.0	.1	.0	.0	9.4 100

RIC RICHMOND, VA
 CLASS 4 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 4 / DAY

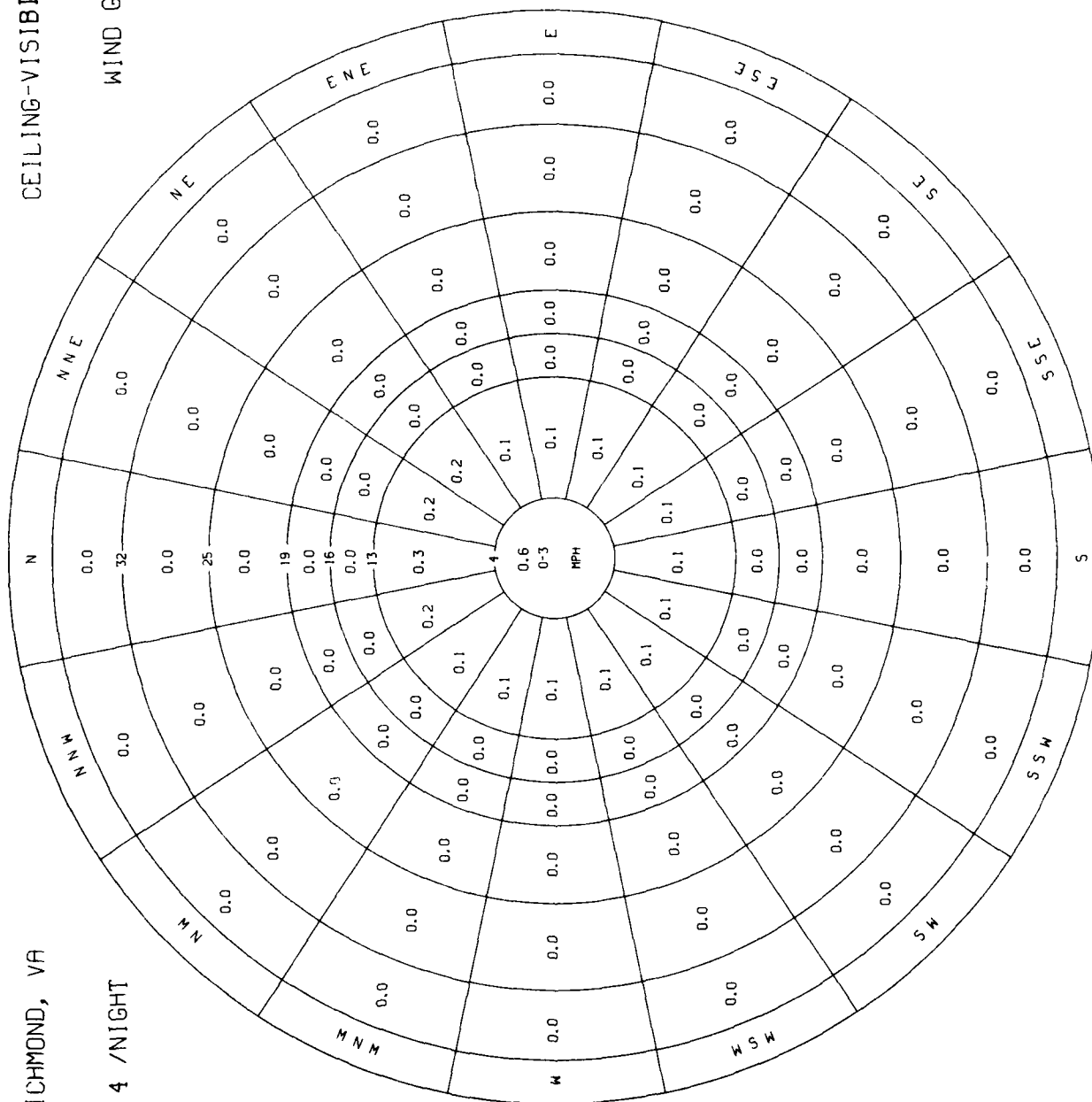
STATION NUMBER: 13740

NO. OBS.: 1022

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.2	9.4	.0	.4	.0	.4	.0	.0	.0	.1	.0	.0	.2 11.6
NNE	.0	1.1	.2	7.4	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.2 9.5
NE	.0	1.1	.1	6.9	.0	.6	.0	.3	.0	.2	.0	.0	.0	.0	.2 9.1
ENE	.0	.8	.1	3.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.4
E	.0	1.3	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.4
ESE	.0	.7	.1	2.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 3.9
SE	.0	1.0	.1	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.0
SSE	.0	.8	.1	3.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.4
S	.0	2.0	.2	8.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 10.9
SSW	.0	.8	.1	3.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.4
SW	.0	1.2	.1	3.5	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1 4.9
WSW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.2
W	.0	1.4	.0	2.1	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.8
WNW	.0	.6	.0	1.5	.0	.4	.0	.1	.0	.4	.0	.0	.0	.0	.1 2.9
NW	.0	.8	.1	3.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1 5.1
NNW	.0	1.2	.1	5.3	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.2 7.4
CALM	.1	4.0													.1 4.0
TOTAL	.4	20.9	1.5	71.8	.1	3.9	.0	2.3	.0	.9	.0	.2	.0	.0	2.0 100
															7.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 4 / NIGHT

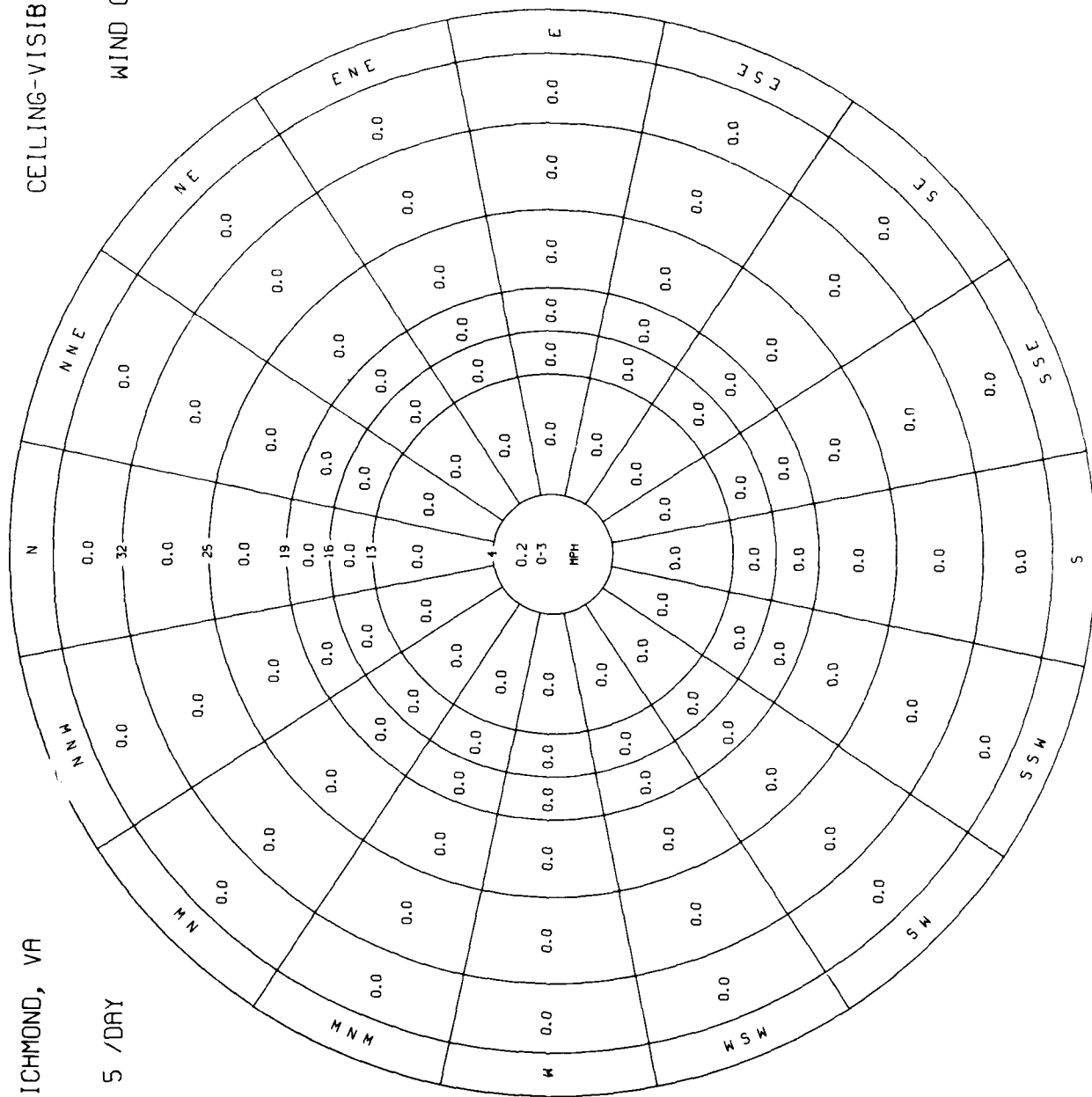
STATION NUMBER: 13740

NO. OBS.: 1133

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.3	11.6	.0	.6	.0	.3	.0	.1	.0	.1	.0	.0	.4 13.7
NNE	.0	1.2	.2	7.6	.0	.6	.0	.5	.0	.2	.0	.0	.0	.0	.3 10.2
NE	.0	1.8	.2	7.7	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.3 10.2
ENE	.0	.4	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.5
E	.0	1.5	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.6
ESE	.0	1.6	.1	3.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1 5.0
SE	.0	1.1	.1	2.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
SSE	.0	1.0	.1	3.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
S	.0	1.6	.1	4.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 6.6
SSW	.0	1.3	.1	3.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.7
SW	.0	.6	.1	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
WSW	.0	.5	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
W	.0	1.1	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
WNW	.0	.9	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
NW	.0	1.3	.1	4.4	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.2 6.2
NNW	.0	1.6	.2	5.4	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2 7.8
CALM	.1	4.1													.1 4.1
TOTAL	.6	22.8	2.0	71.8	.1	3.5	.0	1.2	.0	.5	.0	.1	.0	.0	2.8 100 6.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13740

NO. OBS.: 218

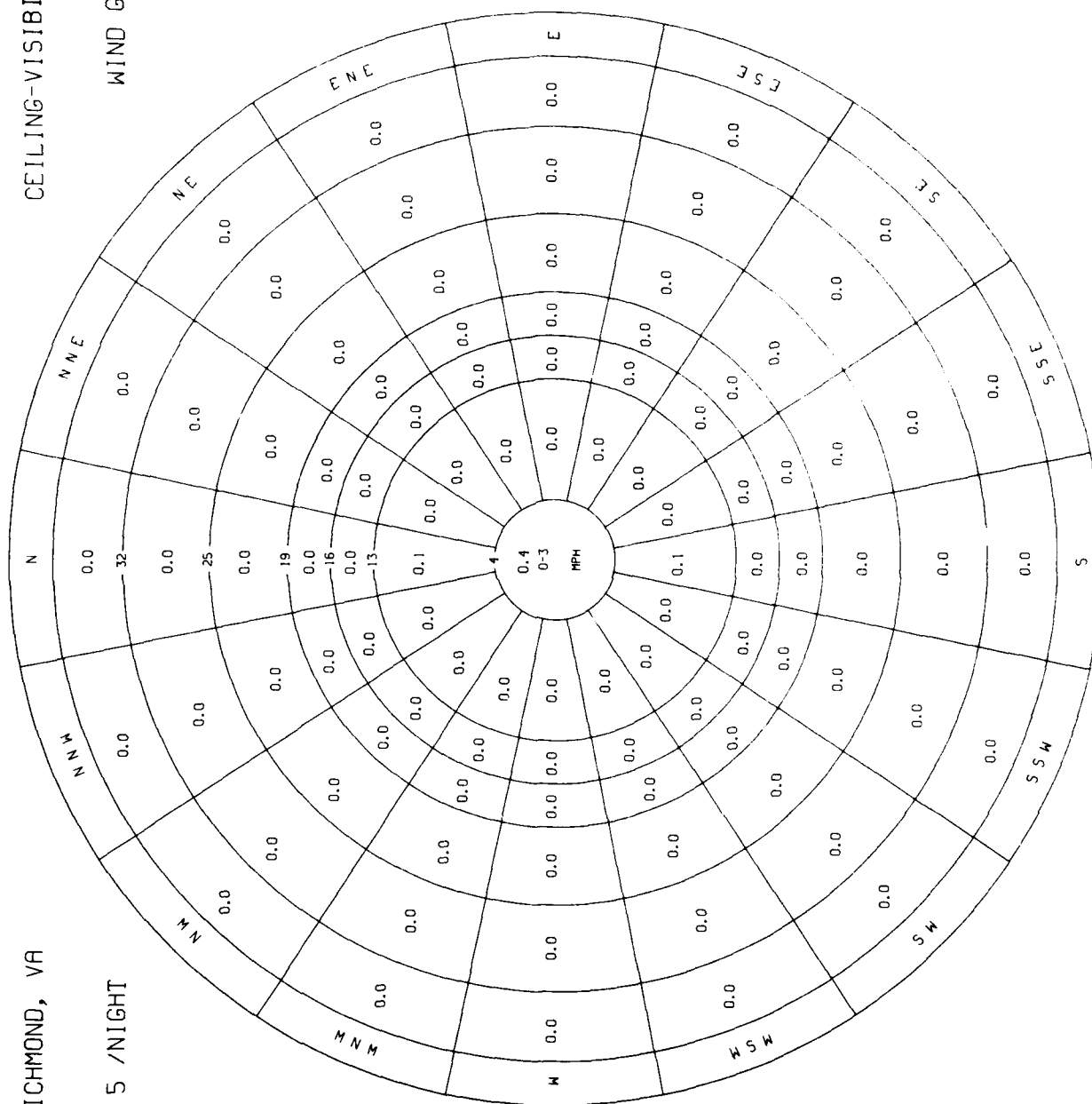
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.8	.0	10.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.2
NNE	.0	1.8	.0	5.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0 8.7
NE	.0	2.8	.0	8.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.9
ENE	.0	.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
E	.0	.9	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.5	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
SE	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
SSE	.0	2.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	4.1	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.2
SSW	.0	1.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
SW	.0	.9	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
WSW	.0	.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
W	.0	.9	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
WNW	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
NW	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
NNW	.0	.9	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
CALM	.0	11.0													.0 11.0
TOTAL	.2	37.2	.3	59.2	.0	2.8	.0	.0	.0	.9	.0	.0	.0	.0	.4 100

CEILING-VISIBILITY

WIND GRAPH

RIC RICHMOND, VA

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 5 / NIGHT

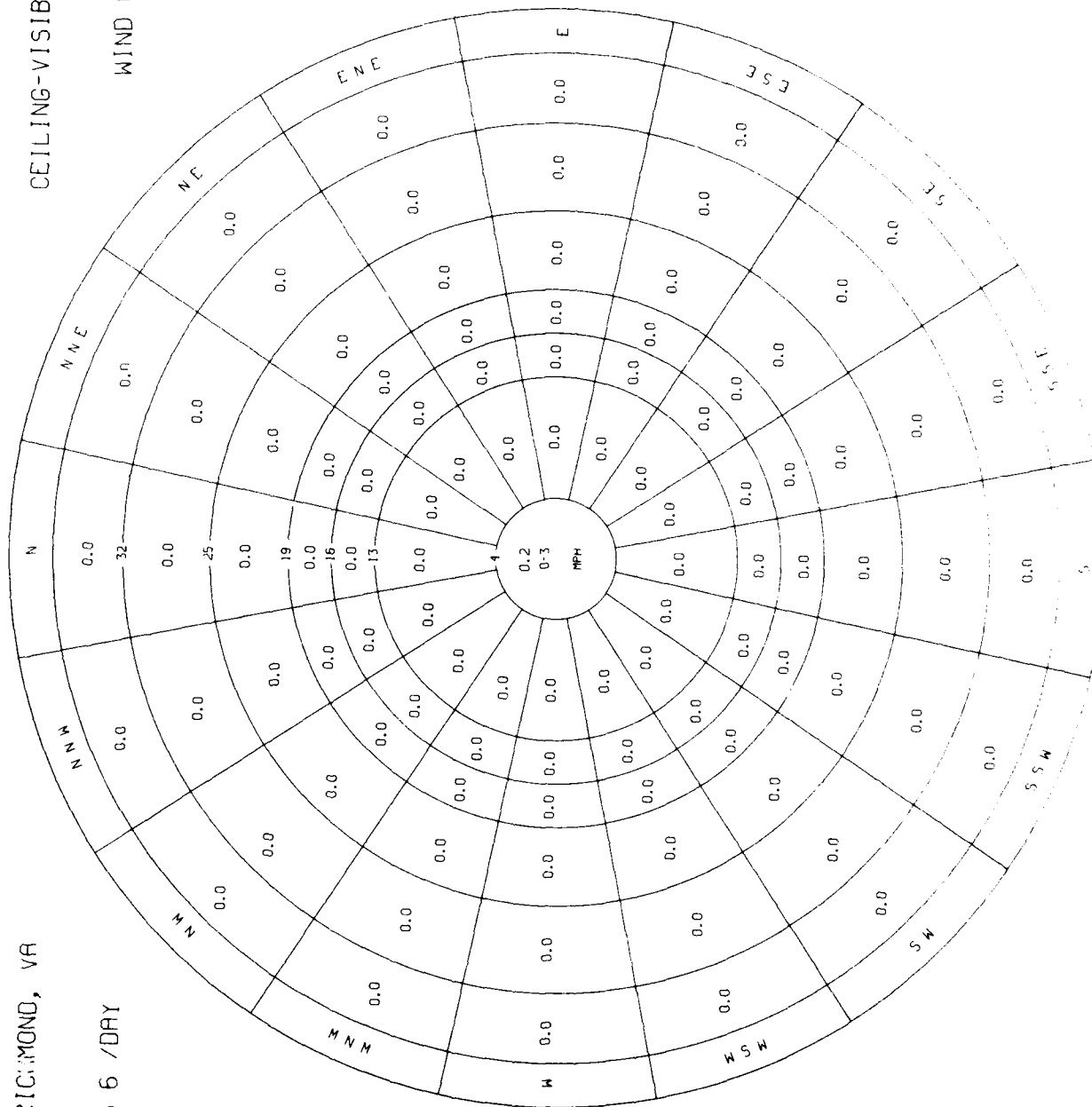
STATION NUMBER: 13740

NO. OBS.: 315

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	4.1	.1	8.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.0	5.9
NNE	.0	1.9	.0	5.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	5.9
NE	.0	1.3	.0	5.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	6.5
ENE	.0	2.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.9
E	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.6
ESE	.0	2.5	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.8
SE	.0	2.2	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.4
SSE	.0	1.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.1
S	.0	3.2	.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.1	5.5
SSW	.0	2.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.9
SW	.0	1.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.3
WSW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.1
W	.0	1.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.1
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NW	.0	2.9	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	5.3
NNW	.0	1.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.3
CALM	.1	13.0														.1	13.0	
TOTAL	.4	45.4	.4	53.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	100	4.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RIC RICHMOND, VA

CLASS 6 / DAY

NO. OBS.: 236

STATION NUMBER: 13740

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															A		B
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	2.5	.0	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	4.8
NNE	.0	3.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	4.6
NE	.0	4.2	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	4.5
ENE	.0	2.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	4.4
E	.0	2.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.0
ESE	.0	2.1	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.6
SE	.0	3.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.5
SSE	.0	3.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.6
S	.0	5.1	.0	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.9	4.6
SSW	.0	2.1	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.9
SW	.0	3.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.5
WSW	.0	.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.0
W	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	3.8
WNW	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	2.7
NW	.0	2.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.6
NNW	.0	2.5	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.3
CALM	.1	11.0													.1	11.0	
TOTAL	.2	53.0	.2	47.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	100	3.9

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 6 / NIGHT

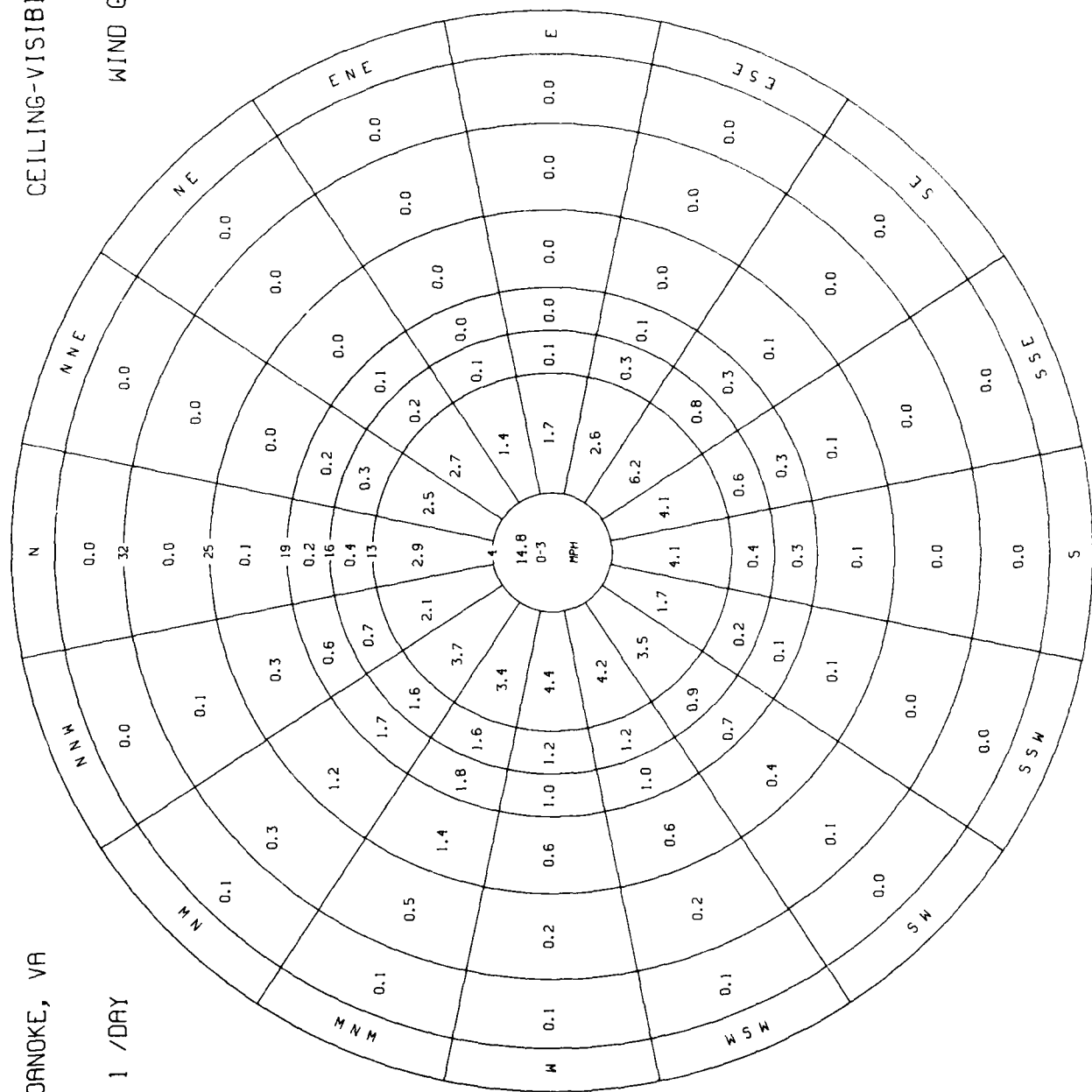
STATION NUMBER: 13740

NO. OBS.: 365

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B				
N	.0	3.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	4.5
NNE	.0	1.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.7
NE	.0	2.2	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	5.5
ENE	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	4.9
E	.0	3.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	4.2
ESE	.0	1.6	.0	2.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.9
SE	.0	4.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	3.7
SSE	.0	3.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	5.1
S	.0	1.9	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	5.0
SSW	.0	1.4	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.7
SW	.0	1.1	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.5
WSW	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.8
W	.0	3.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	3.4
WNW	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.9
NW	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.6
NNW	.0	1.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.1
CALM	.2	18.4														.2	18.4	
TOTAL	.5	56.7	.4	43.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	100	3.8

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 1 / DAY

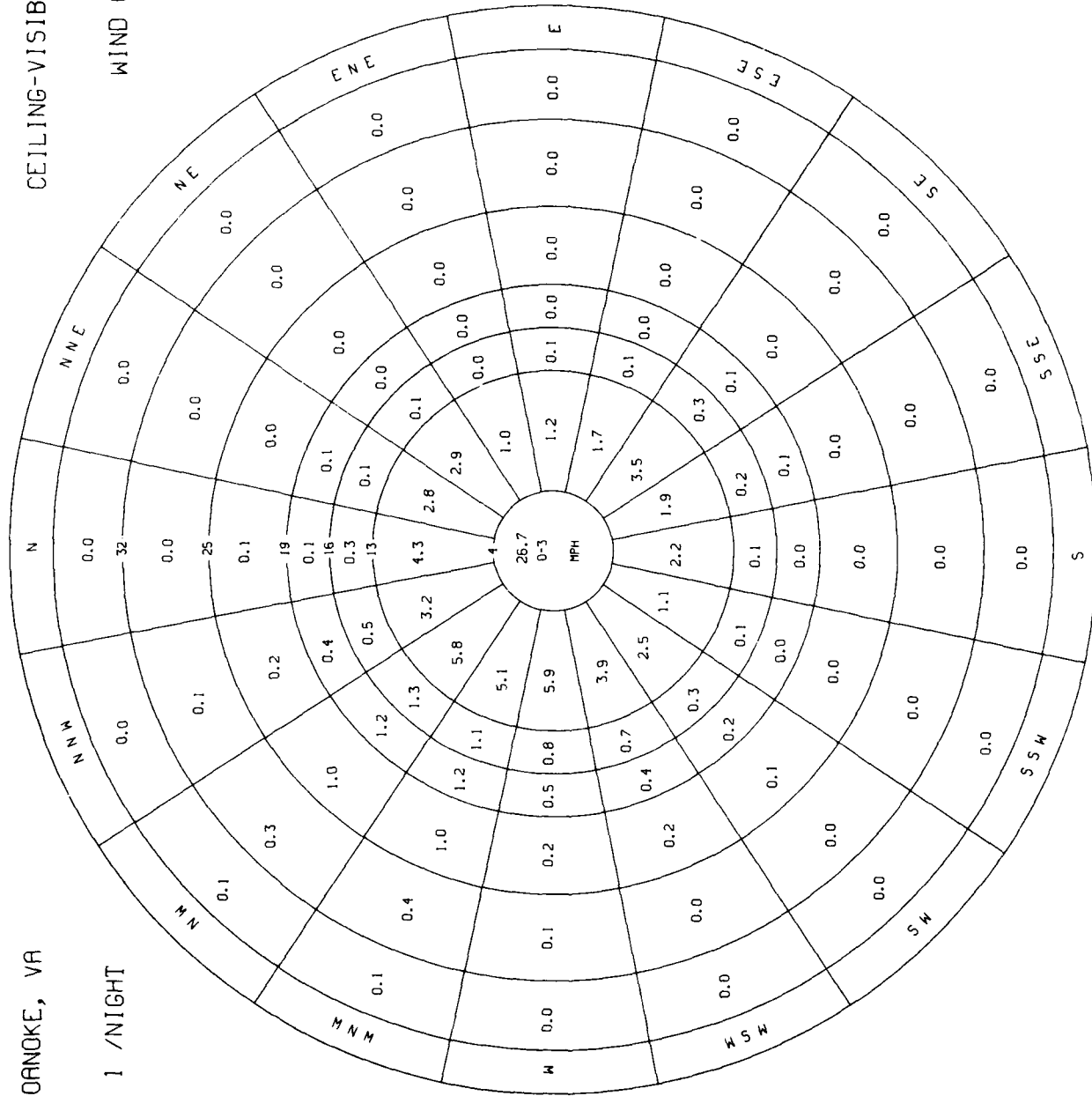
STATION NUMBER: 13741

NO. OBS.: 44936

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.6	.7	2.9	3.2	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	4.3 4.7
NNE	.6	.6	2.5	2.7	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	3.5 3.9
NE	1.0	1.1	2.7	2.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.1 4.4
ENE	.4	.5	1.4	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9 2.0
E	.6	.7	1.7	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4 2.6
ESE	.5	.5	2.6	2.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.4 3.7
SE	1.0	1.1	6.2	6.7	.8	.9	.3	.3	.1	.1	.0	.0	.0	.0	8.3 9.1
SSE	.6	.6	4.1	4.5	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	5.7 6.2
S	.9	1.0	4.1	4.5	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	5.9 6.5
SSW	.4	.4	1.7	1.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.6 2.8
SW	.9	.9	3.5	3.8	.9	.9	.7	.8	.4	.4	.1	.1	.0	.0	6.3 6.9
WSW	.6	.6	4.2	4.6	1.2	1.3	1.0	1.1	.6	.6	.2	.2	.1	.1	7.8 8.5
W	.7	.8	4.4	4.8	1.2	1.4	1.0	1.1	.6	.7	.2	.2	.1	.1	8.2 8.9
WNW	.3	.4	3.4	3.7	1.6	1.8	1.8	1.9	1.4	1.6	.5	.6	.1	.1	9.2 10.0
NW	.5	.6	3.7	4.0	1.6	1.7	1.7	1.9	1.2	1.3	.3	.4	.1	.1	9.1 9.9
NNW	.3	.3	2.1	2.3	.7	.8	.6	.7	.3	.3	.1	.1	.0	.0	4.1 4.5
CALM	4.9	5.4													4.9 5.4
TOTAL	14.8	16.1	51.1	55.8	10.5	11.4	8.5	9.3	5.0	5.5	1.5	1.6	.3	.4	91.6 100
															9.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 37423

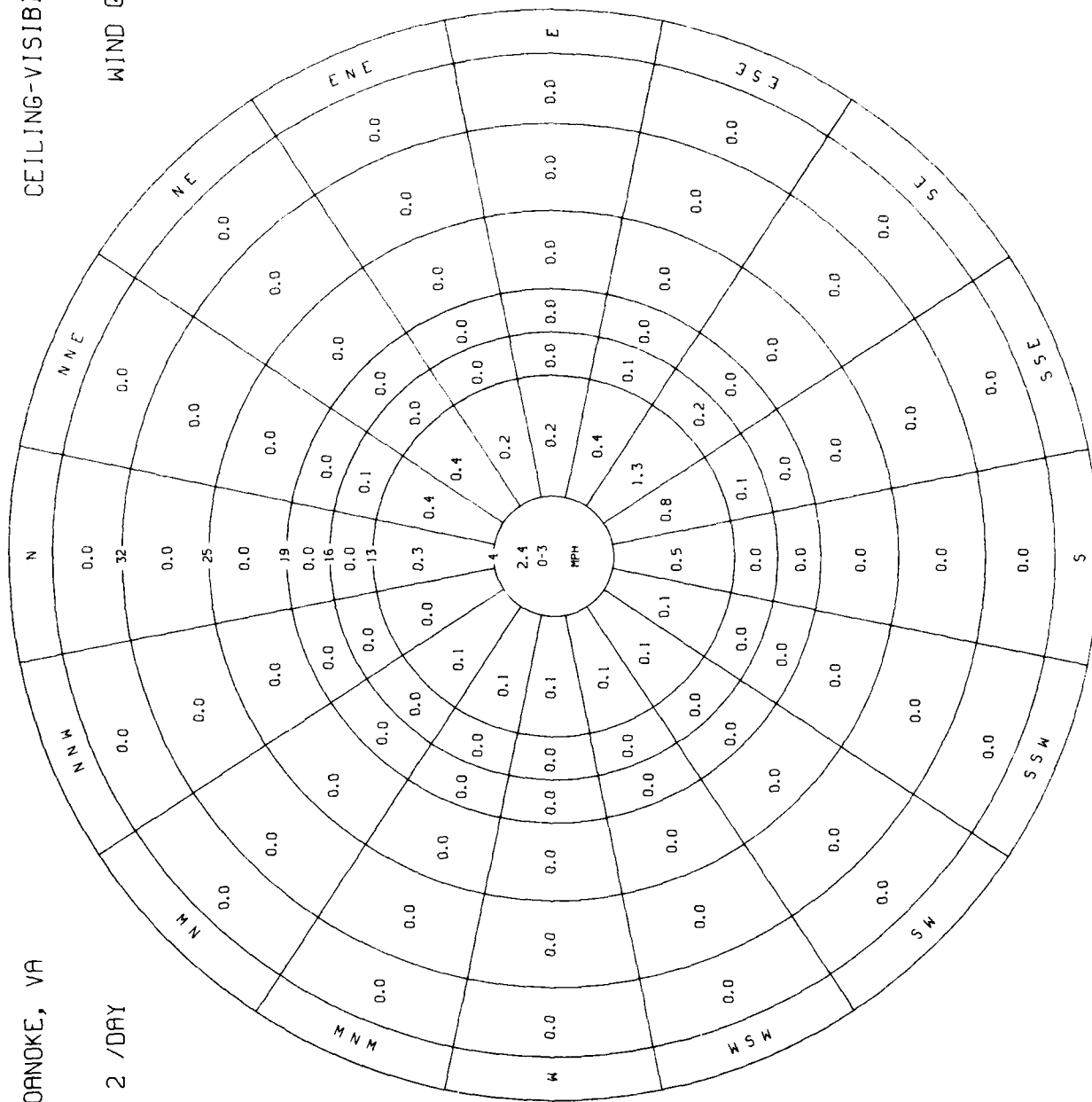
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.4	1.6	4.3	4.8	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	6.2	6.8	6.5
NNE	1.1	1.2	2.8	3.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	4.1	4.5	6.3
NE	1.6	1.7	2.9	3.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.1	5.5
ENE	.6	.6	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.8	5.3
E	.8	.9	1.2	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.3	5.4
ESE	.5	.5	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.5	6.7
SE	1.1	1.3	3.5	3.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.1	5.6	7.1
SSE	.6	.7	1.9	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.0	7.0
S	1.0	1.1	2.2	2.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.8	6.0
SSW	.5	.5	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	6.2
SW	1.2	1.4	2.5	2.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	4.2	4.7	7.1
WSW	.8	.9	3.9	4.3	.7	.7	.4	.5	.2	.3	.0	.0	.0	.0	6.1	6.7	9.1
W	1.4	1.6	5.9	6.6	.8	.9	.5	.6	.2	.2	.1	.1	.0	.0	9.1	10.1	8.8
WNW	.7	.8	5.1	5.6	1.1	1.3	1.2	1.4	1.0	1.1	.4	.5	.1	.1	9.7	10.8	11.9
NW	1.1	1.2	5.8	6.4	1.3	1.4	1.2	1.3	1.0	1.1	.3	.3	.1	.1	10.6	11.8	11.1
NNW	.7	.7	3.2	3.6	.5	.6	.4	.4	.2	.2	.1	.1	.0	.0	5.1	5.7	9.1
CALM	11.6	12.9													11.6	12.9	
TOTAL	26.7	29.6	49.1	54.4	5.9	6.6	4.4	4.8	2.9	3.2	1.0	1.1	.2	.3	90.2	100	7.3

CEILING-VISIBILITY

WIND GRAPH

ROA ROANOKE, VA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 2 / DAY

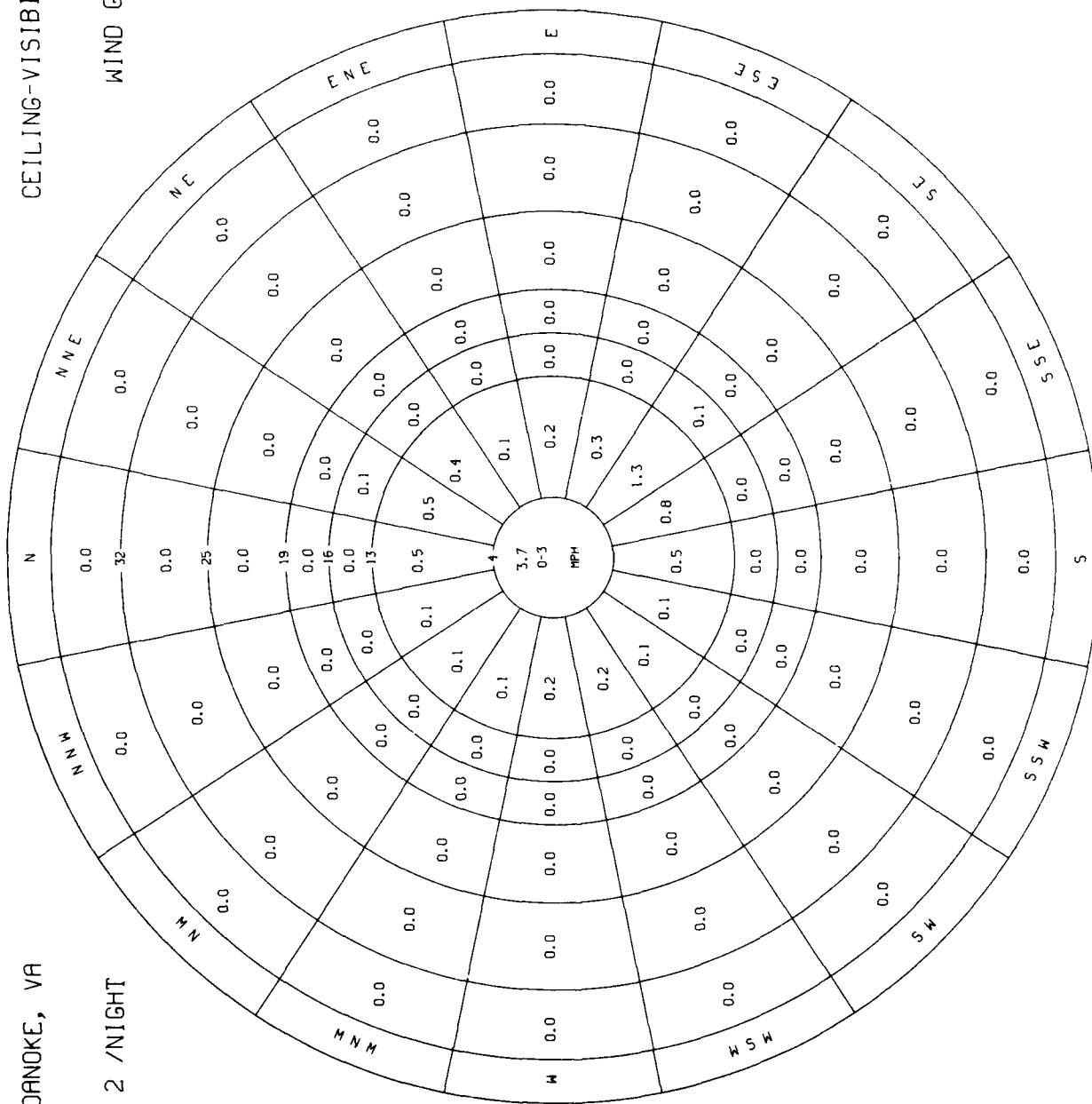
STATION NUMBER: 13741

NO. OBS.: 4134

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.3	.3	4.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.8
NNE	.1	.7	.4	5.3	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.6 7.0
NE	.1	1.2	.4	5.2	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6 7.2
ENE	.1	.7	.2	2.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.0
E	.1	1.1	.2	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 3.6
ESE	.1	.6	.4	4.9	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.5 6.4
SE	.2	2.7	1.3	15.5	.2	2.1	.0	.4	.0	.0	.0	.0	.0	.0	1.7 20.7
SSE	.1	1.2	.8	9.7	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	1.0 11.9
S	.2	2.1	.5	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 7.9
SSW	.1	.7	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.9
SW	.1	1.4	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.0
WSW	.1	.7	.1	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
W	.1	1.3	.1	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.9
WNW	.0	.4	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.8
NW	.0	.5	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.9
NNW	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
CALM	1.0	11.9													1.0 11.9
TOTAL	2.4	28.7	5.3	62.8	.5	5.5	.2	2.0	.1	.7	.0	.2	.0	.0	8.4 100
															6.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 4086

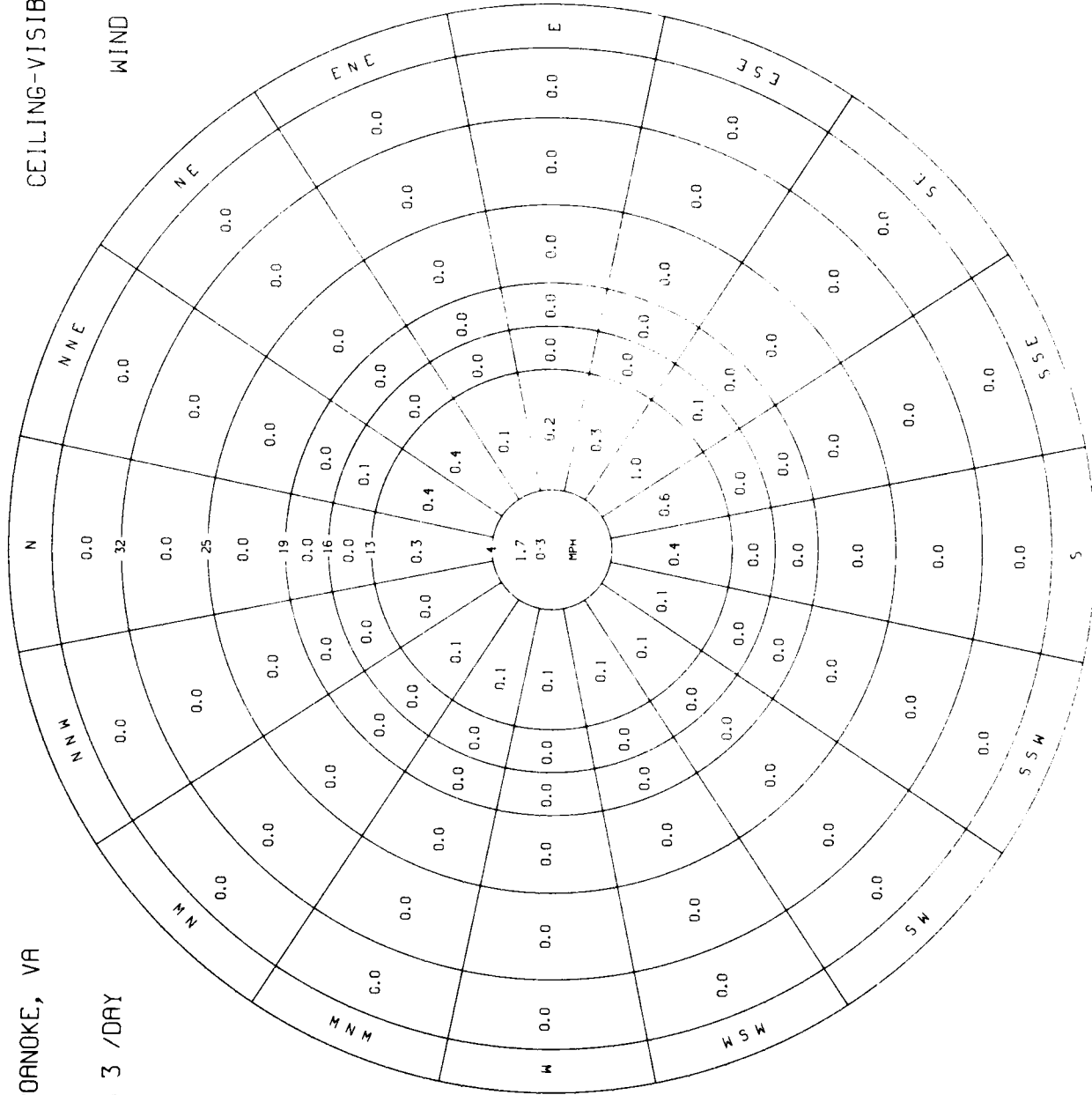
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.4	.5	4.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 6.5
NNE	.1	1.0	.5	5.6	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.7 7.5
NE	.2	1.7	.4	4.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.7 6.8
ENE	.1	.5	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
E	.1	1.0	.2	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 3.5
ESE	.0	.5	.3	3.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.4 4.4
SE	.2	2.4	1.3	12.9	.1	1.3	.0	.3	.0	.1	.0	.0	.0	.0	1.7 17.0
SSE	.1	1.3	.8	7.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.0 9.7
S	.2	1.8	.5	4.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 7.0
SSW	.1	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
SW	.2	1.8	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.0
WSW	.1	.9	.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.6
W	.2	1.5	.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.7
WNW	.1	.7	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
NW	.1	1.0	.1	1.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2 2.3
NNW	.1	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8
CALM	1.8	18.3													1.8 18.3
TOTAL	3.7	37.3	5.6	56.9	.4	4.0	.1	1.2	.0	.5	.0	.1	.0	.0	9.8 100
															5.5

ROA ROANOKE, VA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 13741

NO. OBS.: 3176

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	1.4	.3	4.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	6.2	6.8
NNE	.0	.7	.4	6.0	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.5	7.9	8.9
NE	.1	1.1	.4	6.0	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.5	8.0	8.0
ENE	.0	.7	.1	2.2	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.0	.2	3.3	7.7
E	.1	1.1	.2	2.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	4.0	6.9
ESE	.0	.7	.3	5.1	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	6.7	8.5
SE	.2	2.7	1.0	15.6	.1	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.4	20.9	8.3
SSE	.1	1.1	.6	9.5	.0	.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.8	11.6	8.1
S	.1	2.0	.4	5.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	7.4	5.9
SSW	.0	.6	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.0
SW	.1	1.2	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.9	5.0
WSW	.0	.6	.1	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	2.3	6.3
W	.1	1.1	.1	1.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	2.8	6.2
WNW	.0	.4	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.6	6.5
NW	.0	.4	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.1	1.5	8.4
NNW	.0	.3	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.1
CALM	.6	9.7														.6	9.7	
TOTAL	1.7	25.6	4.2	65.0	.4	6.0	.1	2.2	.1	.9	.0	.3	.0	.0	.0	6.5	100	6.8

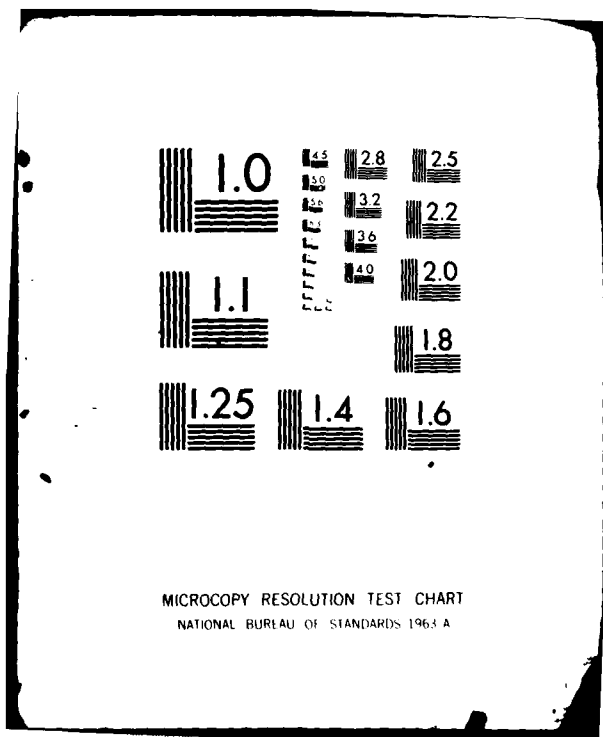
AD-A108 137 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/O 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81 DOT-FA79WAI-057
UNCLASSIFIED NL

NATIONAL CLIMATIC CENTER ASHEVILLE NC F/O 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81 DOT-FA79WAI-057

NL

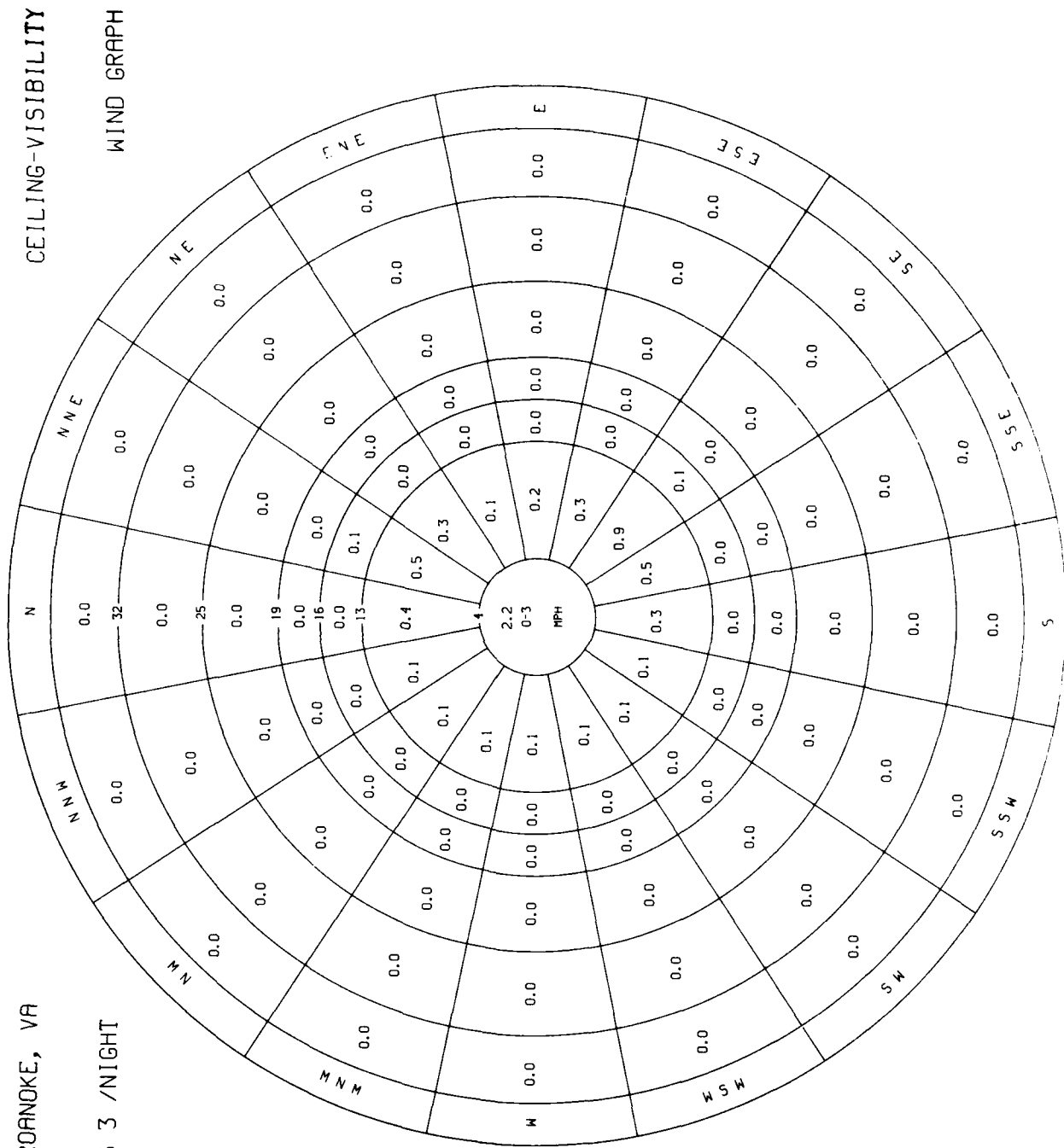
4 5

0815



ROA ROANOKE, VA

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 3 / NIGHT

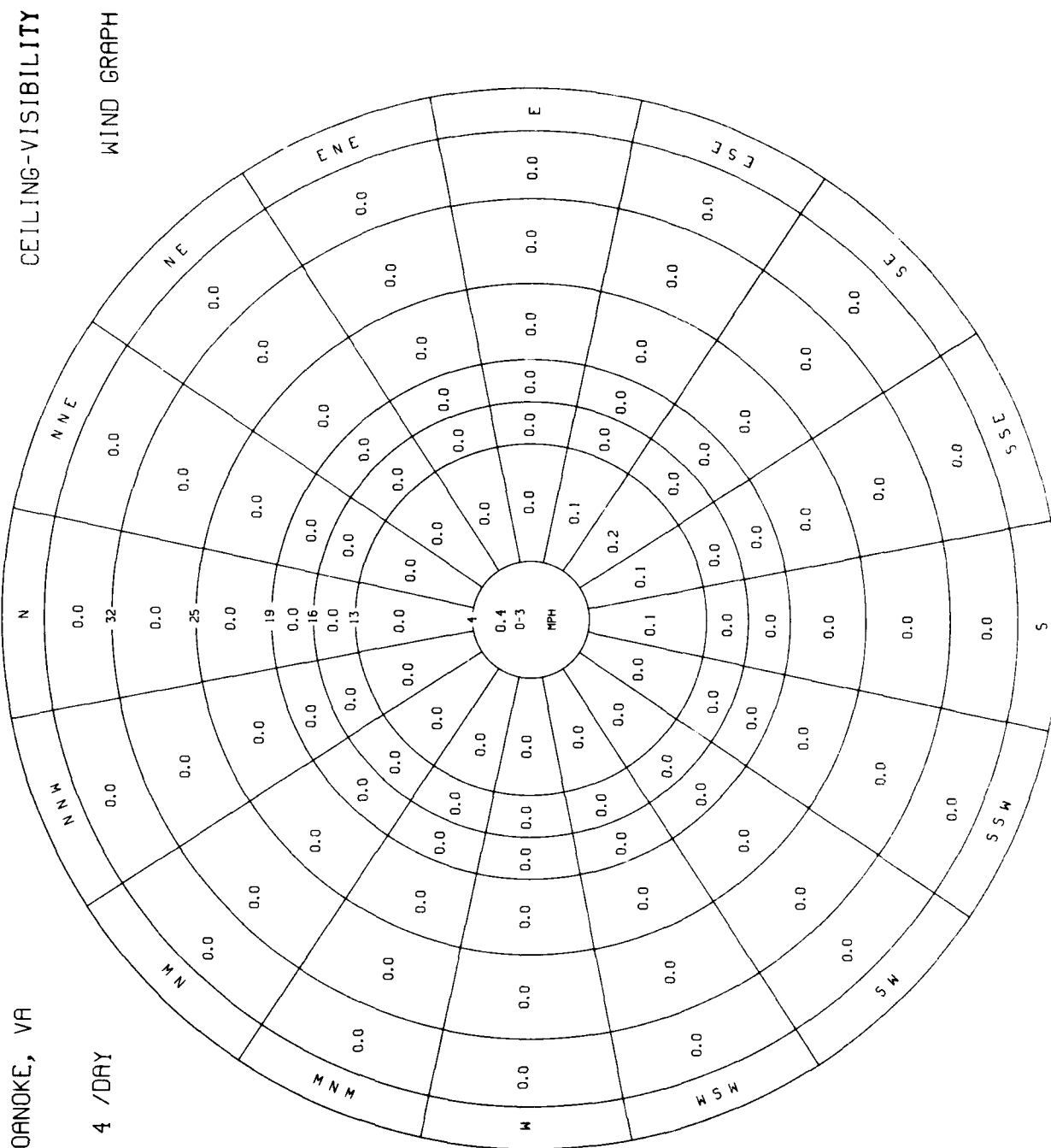
STATION NUMBER: 13741

NO. OBS.: 2748

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	1.6	.4	5.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	7.4	6.7
NNE	.1	1.0	.5	7.0	.1	.8	.0	.1	.0	.1	.0	.1	.0	.0	.6	9.2	8.7
NE	.1	1.9	.3	5.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.5	7.9	7.2
ENE	.0	.5	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.0	6.7
E	.1	1.1	.2	2.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	4.0	6.7
ESE	.0	.5	.3	4.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	5.0	8.1
SE	.1	2.0	.9	12.9	.1	1.5	.0	.4	.0	.1	.0	.0	.0	.0	1.1	17.0	8.2
SSE	.1	1.0	.5	7.7	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.6	9.3	7.6
S	.1	1.7	.3	4.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.1	5.7
SSW	.0	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	4.7
SW	.1	1.3	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5	4.2
WSW	.1	.9	.1	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.7	5.5
W	.1	1.5	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	5.0
WNW	.0	.6	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	6.1
NW	.1	.8	.1	1.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.2	6.0
NNW	.0	.6	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.8	5.5
CALM	1.0	15.5													1.0	15.5	
TOTAL	2.2	33.3	3.9	59.5	.3	5.0	.1	1.5	.0	.5	.0	.1	.0	.0	6.6	100	6.0

ROA ROANOKE, VA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ROA ROANOKE, VA

CLASS 4 / DAY

NO. OBS.: 607

STATION NUMBER: 13741

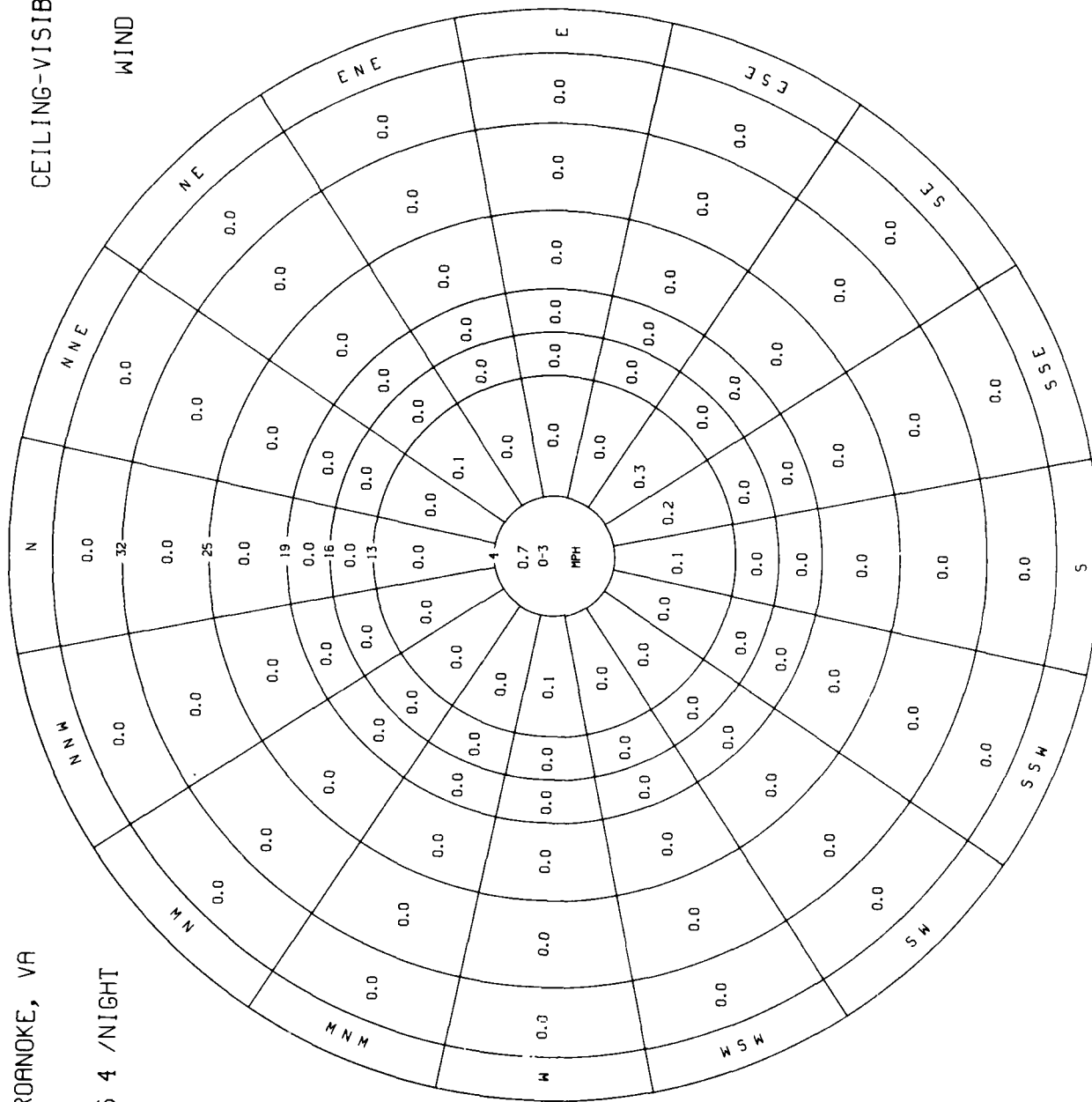
D I R*	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.8	.0	2.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.5
NNE	.0	.7	.0	3.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.0	7.3
NE	.0	1.3	.0	2.3	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.1	4.1	7.0
ENE	.0	.7	.0	1.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.9
E	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.9
ESE	.0	.3	.1	5.1	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.3	8.9
SE	.0	3.1	.2	17.6	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	23.1	7.8
SSE	.0	1.3	.1	11.5	.0	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.2	14.2	7.6
S	.0	2.3	.1	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.9	5.9
SSW	.0	1.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.5
SW	.0	1.5	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.5
WSW	.0	.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.4
W	.0	1.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.4
WNW	.0	.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.2
NW	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.6	7.2
NNW	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.5
CALM	.2	16.1														.2	16.1	
TOTAL	.4	33.1	.8	60.8	.1	4.1	.0	1.5	.0	.3	.0	.2	.0	.0	1.2	100		5.8

ROA ROANOKE, VA

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 705

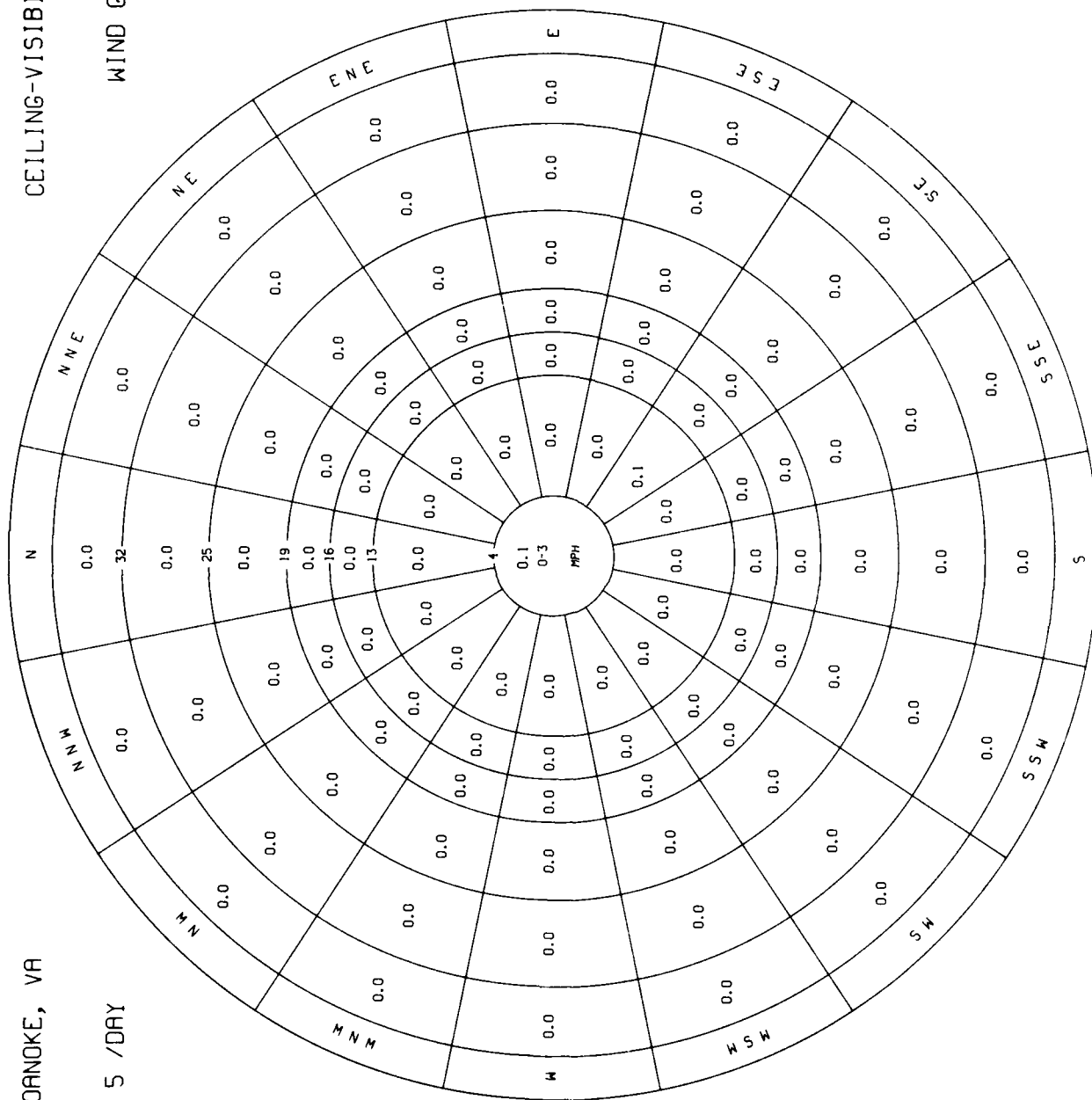
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
NNE	.0	1.1	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
N E	.0	.9	.1	3.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 4.4
ENE	.0	.1	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.8
E	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
ESE	.0	.6	.0	2.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.7
SE	.1	4.0	.3	16.0	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.4 21.1
SSE	.0	1.6	.2	10.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2 12.3
S	.0	2.0	.1	7.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 10.2
SSW	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SW	.0	2.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.0
WSW	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
W	.0	1.7	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.8
WNW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
NW	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NNW	.0	.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
CALM	.3	18.3													.3 18.3
TOTAL	.7	38.6	1.0	57.9	.0	2.6	.0	.9	.0	.1	.0	.0	.0	.0	1.7 100
															5.2

CEILING-VISIBILITY

WIND GRAPH

ROA ROANOKE, VA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13741

NO. OBS.: 178

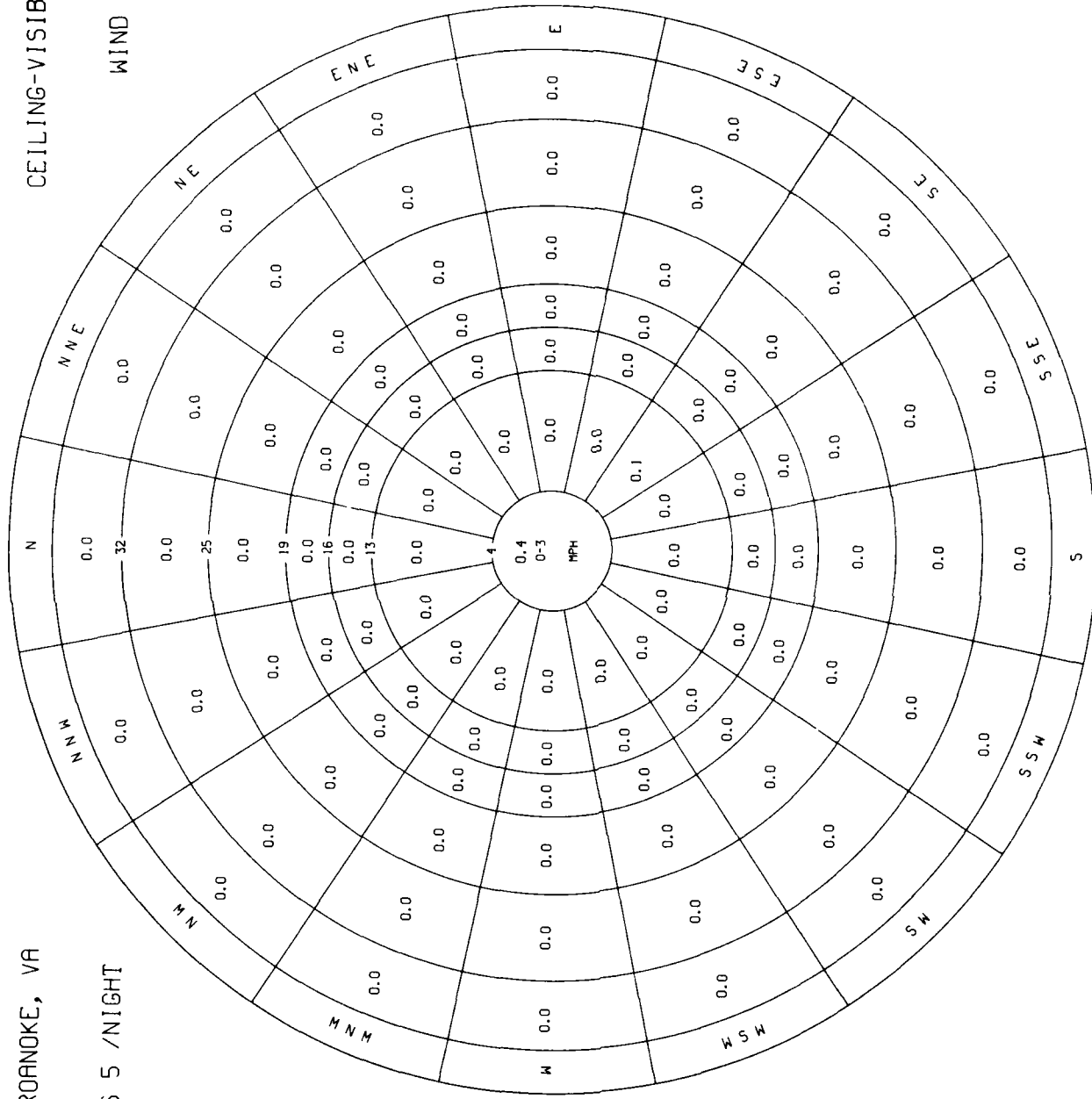
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
NNE	.0	.0	.0	2.2	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0 3.9
NE	.0	.6	.0	2.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
E	.0	2.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
ESE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SE	.0	3.4	.1	14.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 18.5
SSE	.0	3.4	.0	9.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 12.9
S	.0	3.9	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.8
SSW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SW	.0	2.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
WSW	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
W	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
WNW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NW	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NNW	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
CALM	.1	19.1													.1 19.1
TOTAL	.1	41.0	.2	54.5	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.4 100

ROA ROANOKE, VA

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 313

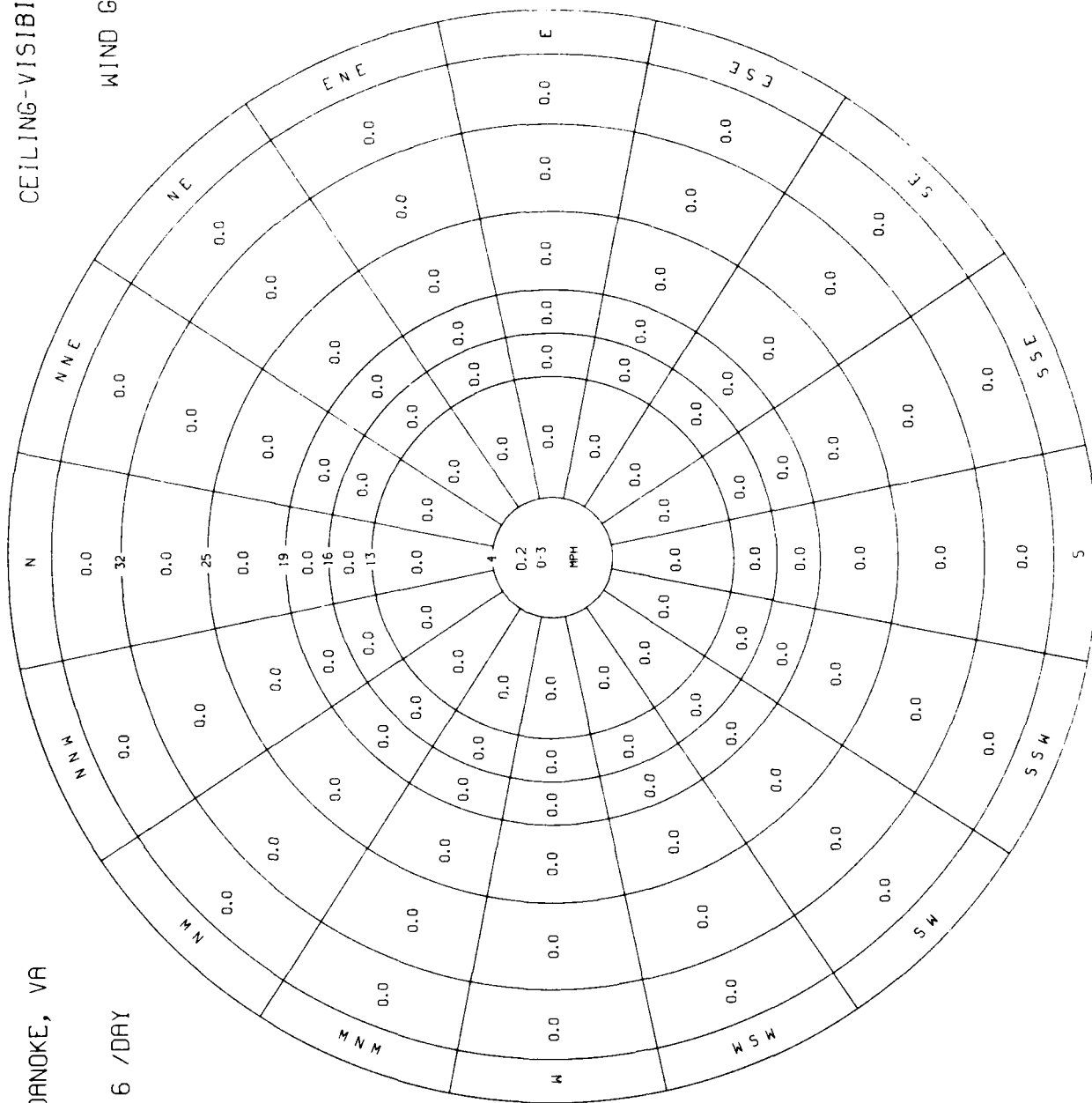
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	1.3	.0	4.2	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	6.1	7.4
NNE	.0	1.6	.0	4.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.7	6.7
NE	.0	1.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
ENE	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
E	.0	.3	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.8
ESE	.0	.3	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.1
SE	.0	1.9	.1	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.7	6.9
SSE	.0	2.6	.0	6.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.3	6.0
S	.0	1.6	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	6.3
SSW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0
SW	.0	1.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.0
WSW	.0	1.3	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.7
W	.0	1.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.6
WNW	.0	.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.3
NW	.0	1.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	4.4
NNW	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.6
CALM	.2	27.2														.2	27.2	
TOTAL	.4	47.9	.4	50.2	.0	1.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.8	100	4.3

ROA ROANOKE, VA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 6 / DAY

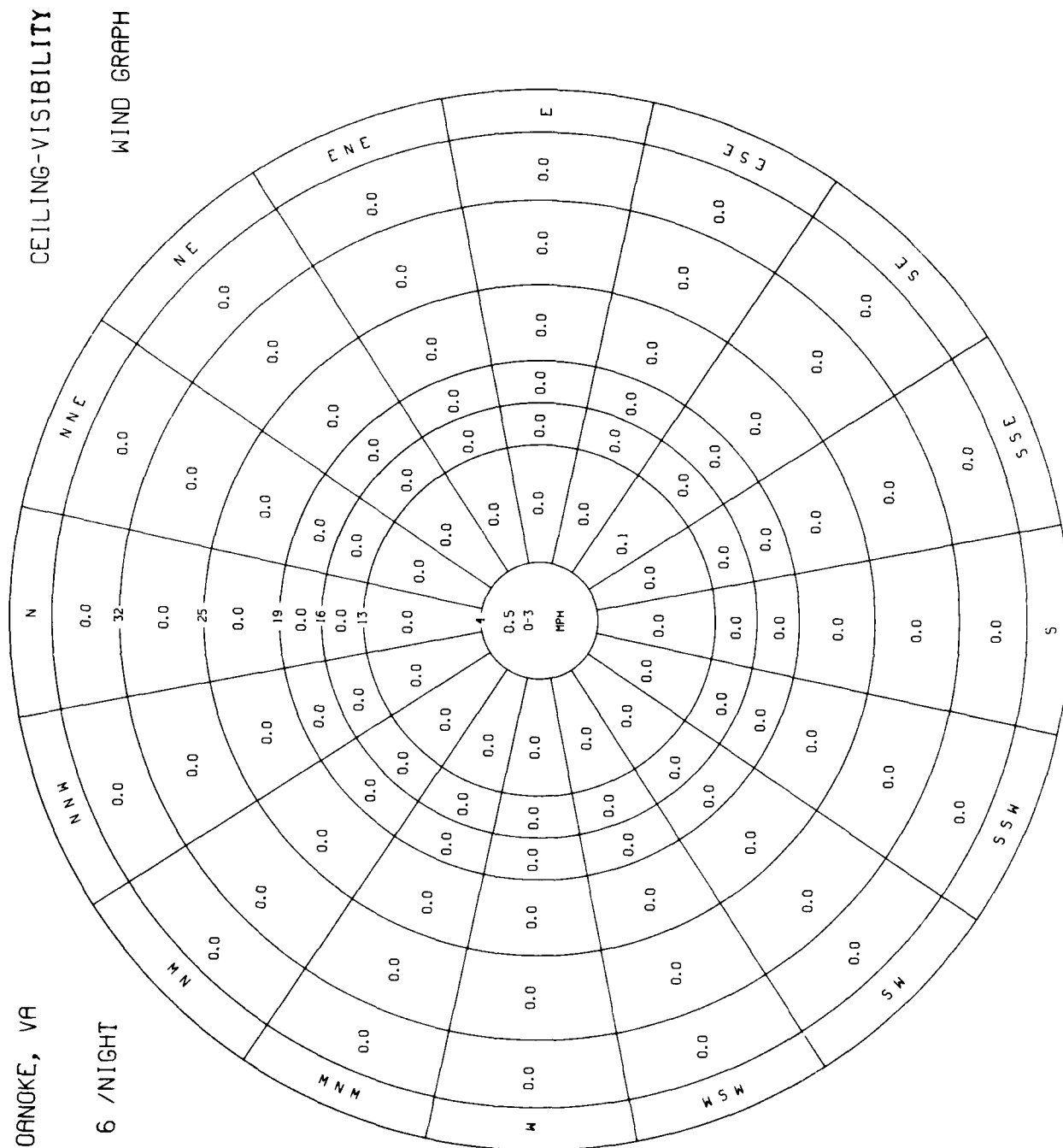
STATION NUMBER: 13741

NO. OBS.: 173

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	2.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	5.0
NNE	.0	1.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.4
NE	.0	4.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	4.1
ENE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
E	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.0
ESE	.0	.6	.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.8
SE	.0	1.7	.0	7.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	7.3
SSE	.0	.6	.0	8.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	7.2
S	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.4
SSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.0
SW	.0	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.3
WSW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
W	.0	2.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	3.6
WNW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.2
NW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
NNW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.7
CALM	.1	31.8													.1	31.8	
TOTAL	.2	57.8	.1	39.9	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	100	3.7

ROA ROANOKE, VA

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 320

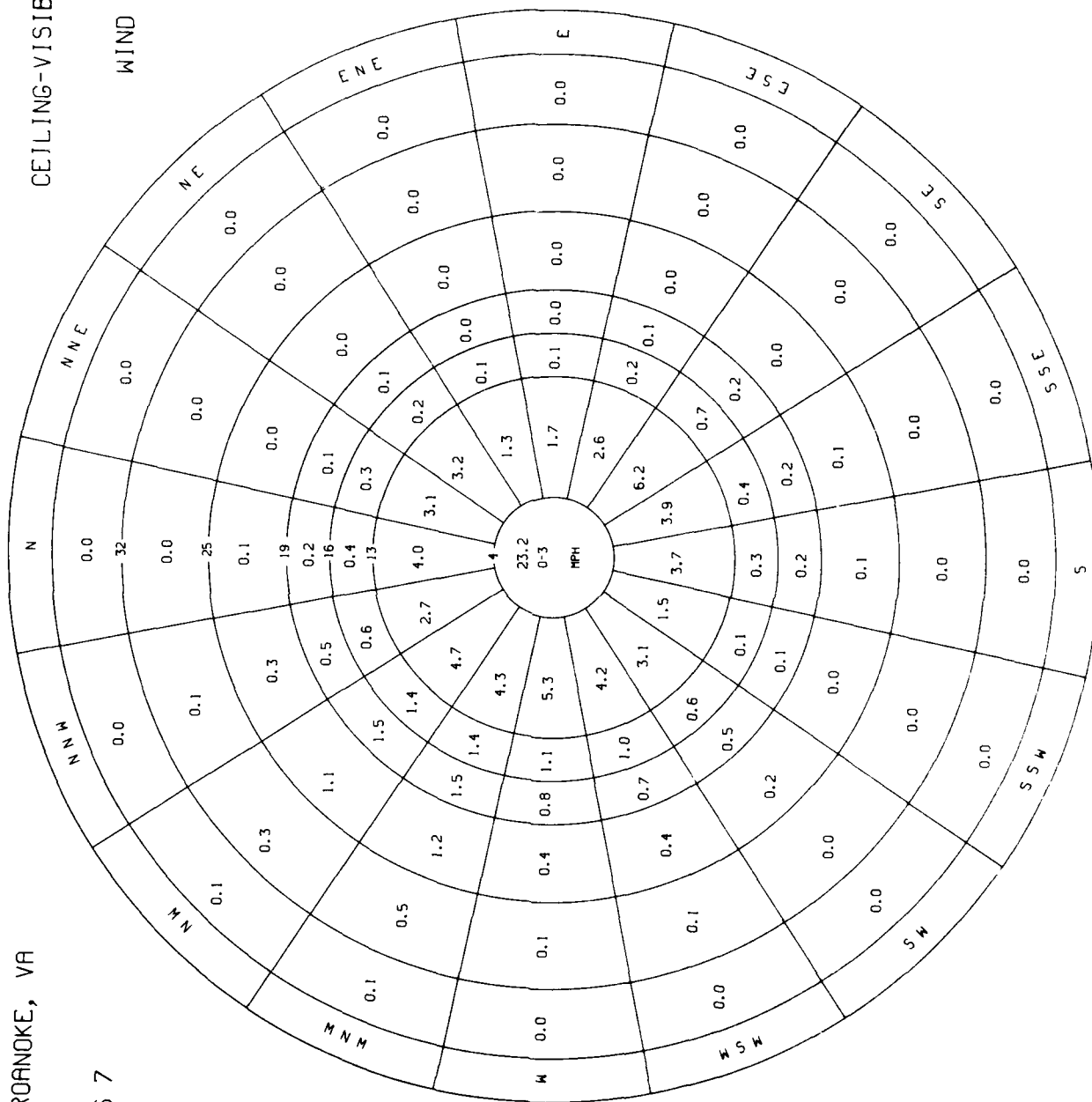
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.9	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.3
NNE	.0	.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NE	.0	2.2	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
ENE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
E	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SE	.0	3.1	.1	6.9	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.1 11.6
SSE	.0	1.9	.0	5.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.5
S	.0	2.5	.0	3.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 6.3
SSW	.0	.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	3.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
WSW	.0	1.6	.0	.9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.8
W	.0	1.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
WNW	.0	.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NW	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NNW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
CALM	.3	32.8													.3 32.8
TOTAL	.5	59.1	.3	38.4	.0	1.6	.0	.3	.0	.6	.0	.0	.0	.0	.8 100

ROA ROANOKE, VA

CLASS 7

CEILING-VISIBILITY

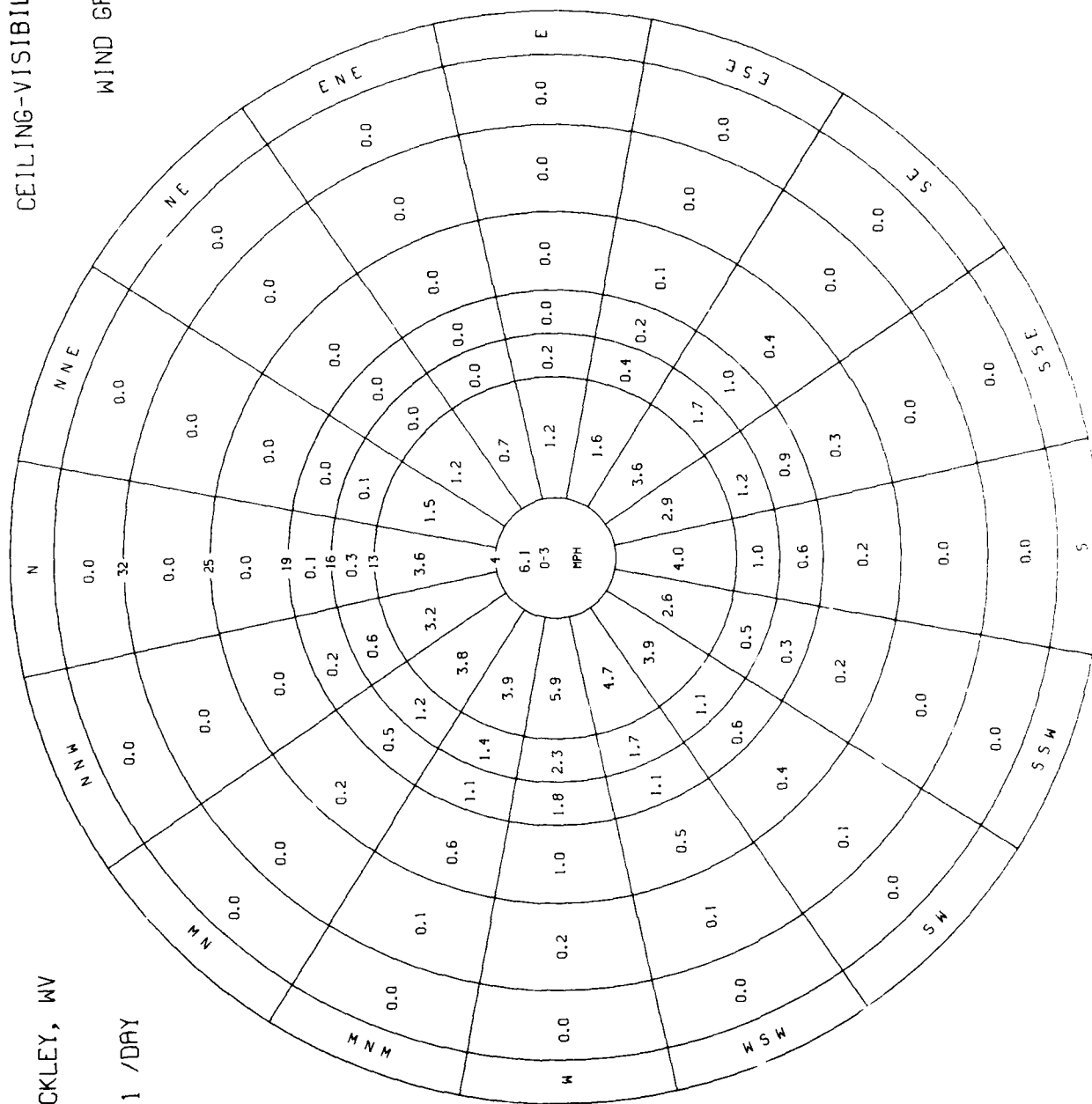
WIND GRAPH



BKW BECKLEY, WV

WIND GRAPH

CLASS 1 / DAY



756

PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 1 / DAY

STATION NUMBER: 03872

NO. OBS.: 18971

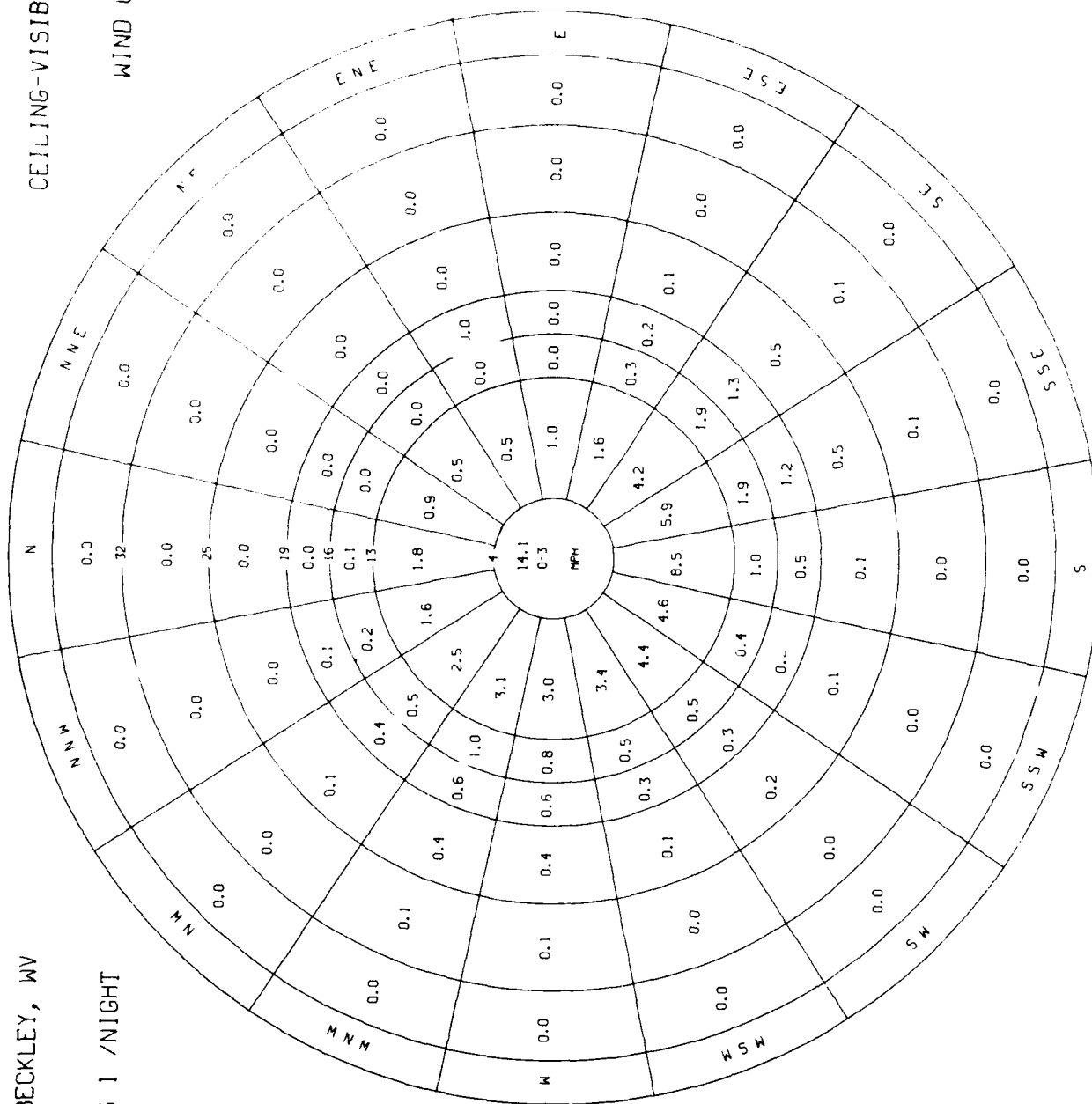
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.2	3.6	4.4	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.1 5.1 8.1
NNE	.1	.1	1.5	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7 2.1 7.5
NE	.1	.2	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.7 6.8
ENE	.1	.2	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 1.1 6.3
E	.2	.2	1.2	1.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.5 1.9 7.7
ESE	.2	.2	1.6	2.0	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	2.5 3.1 10.2
SSE	.2	.3	3.6	4.4	1.7	2.1	1.0	1.2	.4	.5	.0	.0	.0	.0	6.9 8.4 11.9
S	.1	.2	2.9	3.6	1.2	1.5	.9	1.1	.3	.4	.0	.0	.0	.0	5.6 6.8 12.0
SSW	.3	.4	4.0	4.9	1.0	1.3	.6	.8	.2	.2	.0	.1	.0	.0	6.2 7.7 10.3
SW	.2	.2	2.6	3.2	.5	.6	.3	.4	.2	.2	.0	.1	.0	.0	3.8 4.7 10.1
WSW	.1	.2	3.9	4.8	1.1	1.4	.6	.8	.4	.5	.1	.1	.0	.0	6.2 7.7 11.2
W	.1	.2	4.7	5.8	1.7	2.1	1.1	1.4	.5	.6	.1	.1	.0	.0	8.3 10.2 11.8
WNW	.2	.2	5.9	7.3	2.3	2.8	1.8	2.2	1.0	1.3	.2	.3	.0	.0	11.4 14.0 12.5
NW	.1	.1	3.9	4.8	1.4	1.7	1.1	1.4	.6	.7	.1	.2	.0	.0	7.3 8.9 12.2
NNW	.1	.2	3.8	4.7	1.2	1.5	.5	.6	.2	.2	.0	.0	.0	.0	5.9 7.2 10.6
CALM	.1	.2	3.2	3.9	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	4.1 5.1 9.3
TOTAL	6.1	7.5	48.4	59.4	13.8	16.9	8.6	10.6	3.9	4.8	.6	.8	.1	.1	81.5 100 10.4

BKW BECKLEY, WV

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 1 / NIGHT

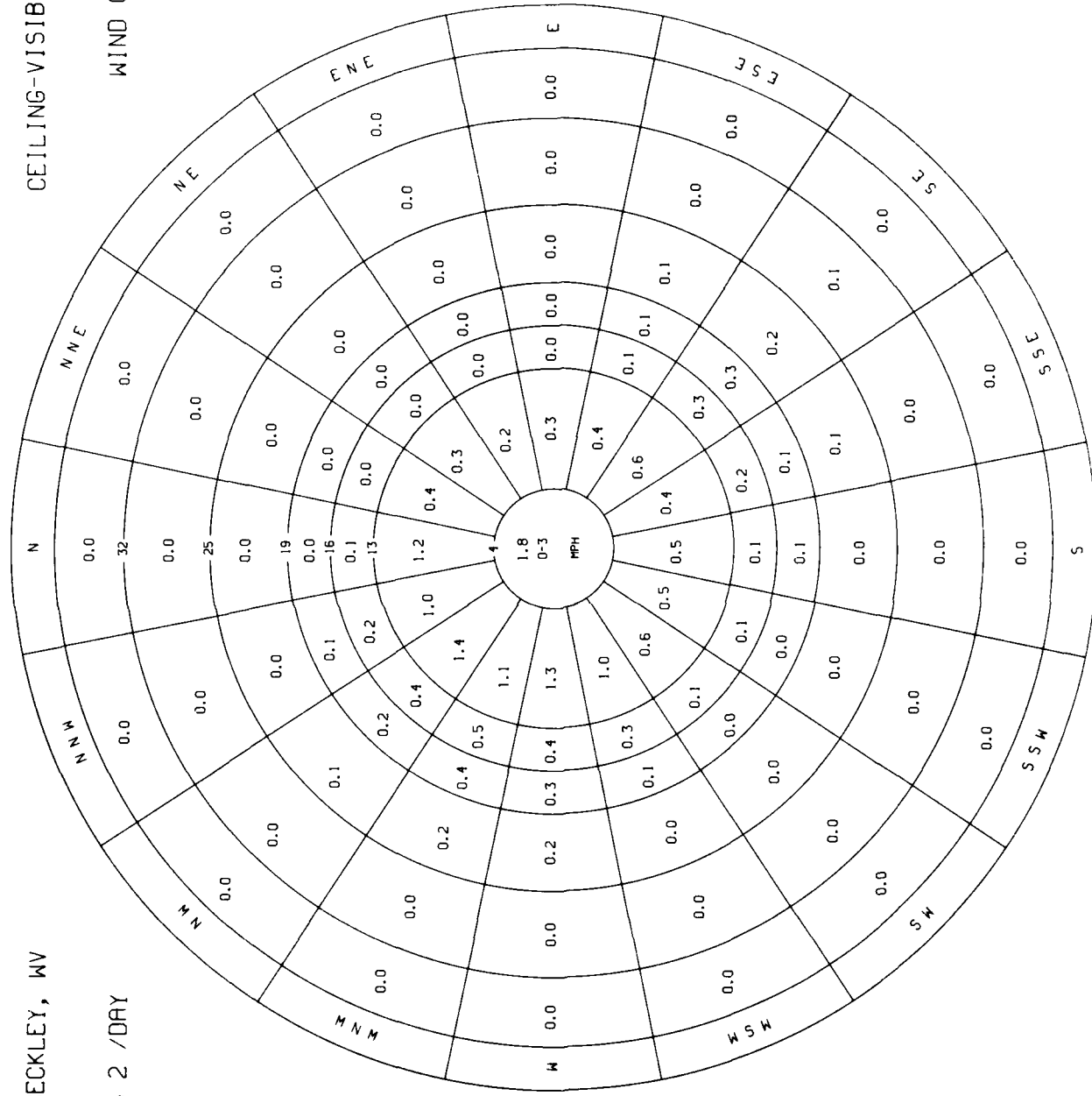
STATION NUMBER: 03872

NO. OBS.: 16342

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	.3	1.8	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.7
NNE	.2	.2	.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1 1.4
NE	.2	.2	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .9
ENE	.2	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .9
E	.4	.5	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.8
ESE	.3	.3	1.6	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.4 3.0
SE	.3	.4	4.2	5.3	1.9	2.4	1.3	1.6	.5	.7	.1	.1	.0	.0	8.3 10.5
SSE	.4	.5	5.9	7.4	1.9	2.4	1.2	1.5	.5	.7	.1	.1	.0	.0	10.0 12.6
S	.8	1.0	8.5	10.7	1.0	1.3	.5	.6	.1	.2	.0	.0	.0	.0	10.9 13.7
SSW	.4	.5	4.6	5.8	.4	.6	.2	.2	.1	.1	.0	.0	.0	.0	5.7 7.1
SW	.2	.3	4.4	5.5	.5	.7	.3	.4	.2	.2	.0	.0	.0	.0	5.7 7.1
WSW	.3	.4	3.4	4.3	.5	.7	.3	.3	.1	.2	.0	.0	.0	.0	4.7 6.0
W	.3	.4	3.0	3.7	.8	1.0	.6	.7	.4	.5	.1	.1	.0	.0	5.1 6.4
WNW	.2	.2	3.1	3.9	1.0	1.3	.6	.8	.4	.5	.1	.1	.0	.0	5.4 6.8
NW	.1	.1	2.5	3.2	.5	.7	.4	.4	.1	.2	.0	.0	.0	.0	3.7 4.6
NNW	.1	.2	1.6	2.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0 2.5
CALM	9.5	11.9													9.5 11.9
TOTAL	14.1	17.8	47.6	59.8	9.3	11.7	5.5	6.9	2.5	3.1	.4	.5	.1	.1	79.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKN BECKLEY, WV

PERIOD: 1964-1978

CLASS 2 / DAY

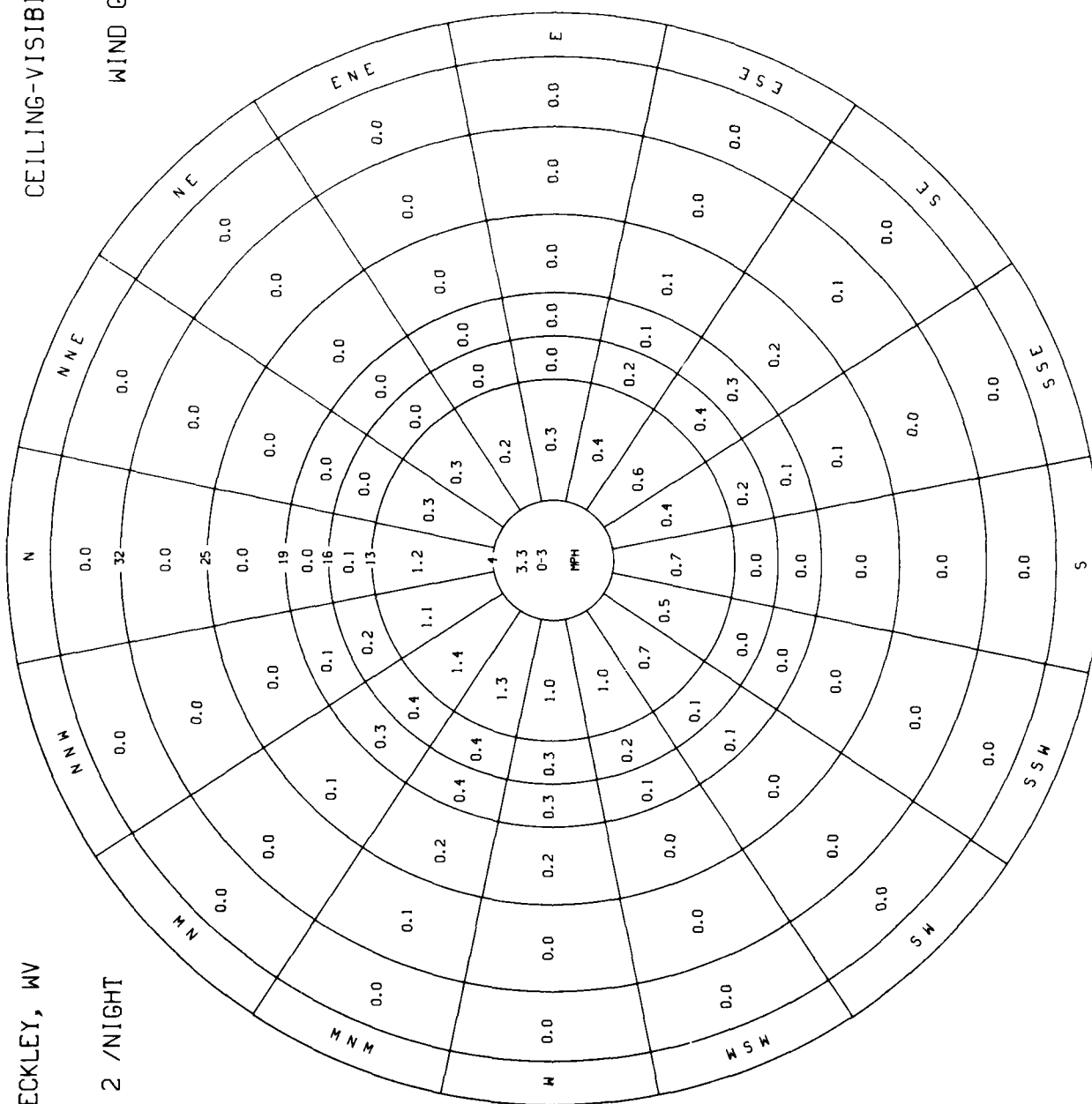
STATION NUMBER: 03872

NO. OBS.: 4310

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	1.2	6.5	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	1.4 7.4
NNE	.0	.1	.4	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.2
NNE	.0	.2	.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.9
ENE	.0	.3	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.3
E	.1	.4	.3	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.4
ESE	.0	.2	.4	2.0	.1	.7	.1	.5	.1	.3	.0	.1	.0	.1	.7 3.9
SE	.0	.2	.6	3.2	.3	1.5	.3	1.5	.2	1.2	.1	.3	.0	.1	1.5 7.9
SSE	.0	.1	.4	1.9	.2	1.1	.1	.8	.1	.5	.0	.0	.0	.0	.8 4.5
S	.1	.3	.5	2.7	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	.7 3.9
SSW	.0	.2	.5	2.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 3.4
SW	.0	.2	.6	3.5	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.9 4.8
WSW	.0	.1	1.0	5.6	.3	1.6	.1	.6	.0	.2	.0	.0	.0	.0	1.5 8.1
W	.0	.3	1.3	6.8	.4	2.2	.3	1.7	.2	.9	.0	.2	.0	.0	2.2 12.0
WNW	.0	.1	1.1	6.1	.5	2.5	.4	2.1	.2	1.1	.0	.1	.0	.0	2.2 11.9
NW	.1	.3	1.4	7.3	.4	1.9	.2	1.1	.1	.4	.0	.0	.0	.0	2.0 11.1
NNW	.0	.2	1.0	5.4	.2	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.3 6.9
CALM	1.2	6.4													1.2 6.4
TOTAL	1.8	9.8	11.1	60.0	2.8	14.9	1.7	9.4	.9	4.9	.1	.8	.0	.2	18.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKN BECKLEY, WV

PERIOD: 1964-1978

CLASS 2 / NIGHT

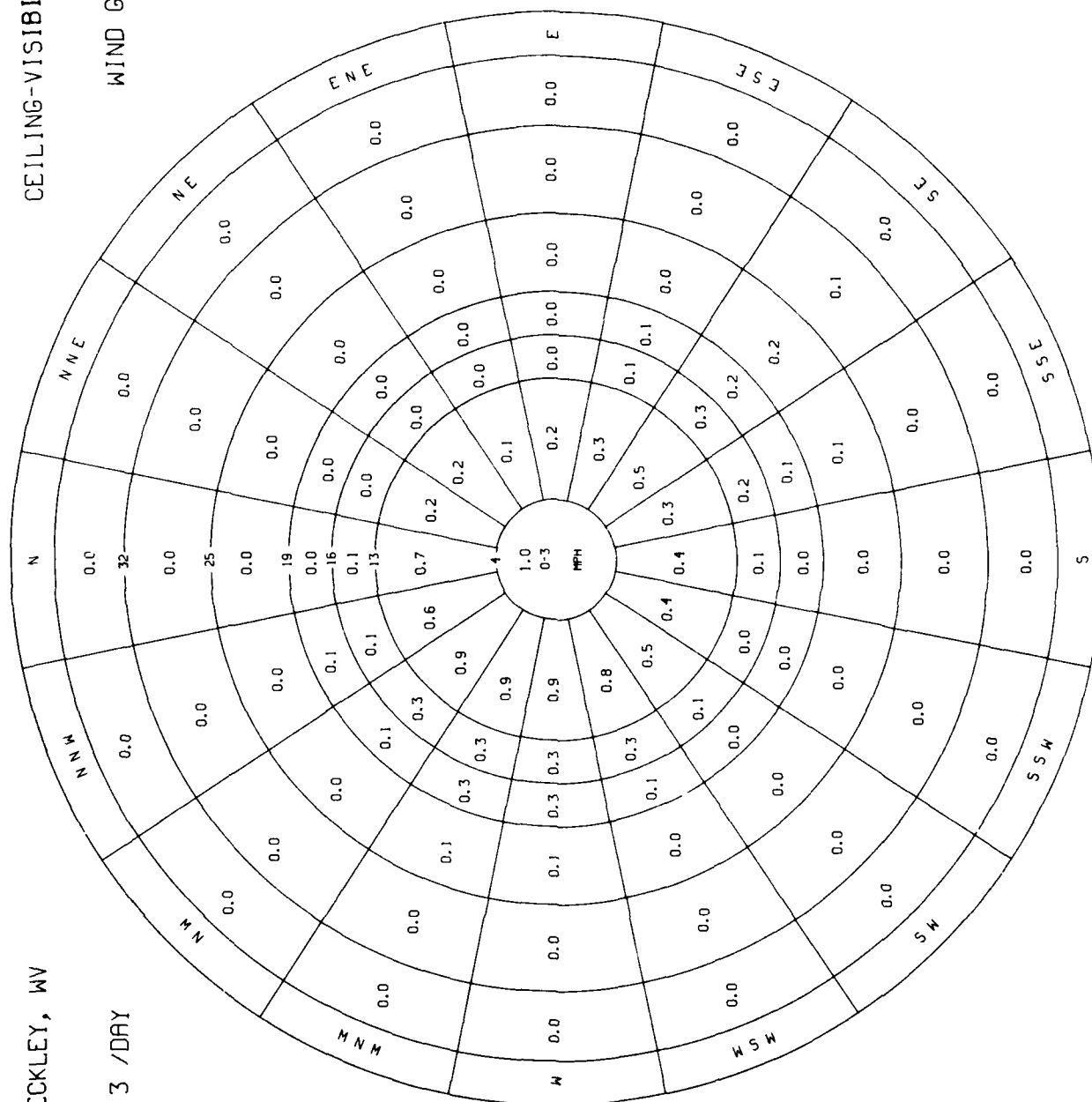
STATION NUMBER: 03872

NO. OBS.: 4209

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	1.2	5.7	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	1.4 6.9
NNE	.0	.2	.3	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.9
NE	.0	.2	.3	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
ENE	.1	.3	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
E	.1	.5	.3	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 2.2
ESE	.1	.3	.4	1.8	.2	.8	.1	.4	.1	.5	.0	.2	.0	.0	.8 3.9
SE	.1	.4	.6	2.9	.4	1.9	.3	1.3	.2	1.0	.1	.4	.0	.0	1.6 7.9
SSE	.0	.2	.4	2.1	.2	.9	.1	.7	.1	.6	.0	.2	.0	.0	1.0 4.7
S	.1	.6	.7	3.3	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.9 4.5
SSW	.1	.3	.5	2.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 3.3
SW	.1	.3	.7	3.7	.1	.5	.1	.4	.0	.1	.0	.0	.0	.0	1.0 4.9
WSW	.1	.3	1.0	4.7	.2	.8	.1	.5	.0	.2	.0	.0	.0	.0	1.3 6.4
W	.0	.1	1.0	5.0	.3	1.6	.3	1.3	.2	.9	.0	.2	.0	.0	1.9 9.1
WNW	.0	.2	1.3	6.3	.4	2.1	.4	2.0	.2	1.1	.1	.3	.0	.0	2.5 12.0
NW	.0	.2	1.4	6.8	.4	1.9	.3	1.3	.1	.4	.0	.0	.0	.0	2.2 10.8
NNW	.1	.3	1.1	5.3	.2	.9	.1	.5	.0	.1	.0	.0	.0	.0	1.5 7.1
CALM	2.3	11.4													2.3 11.4
TOTAL	3.3	16.2	11.4	55.7	2.6	12.6	1.8	8.9	1.1	5.2	.3	1.3	.0	.1	20.5 100

CEILING-VISIBILITY

WIND GRAPH



BKW BECKLEY, WV

CLASS 3 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 3 / DAY

STATION NUMBER: 03872

NO. OBS.: 3153

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.1	.7	4.8	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.5	8.3
NNE	.0	.1	.2	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.8	7.0
NE	.0	.2	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	6.4
ENE	.0	.1	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.4
E	.0	.3	.2	1.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.6	8.7
ESE	.0	.2	.3	2.3	.1	.9	.1	.7	.0	.3	.0	.0	.0	.0	.1	.6	4.5	12.1	12.1
SE	.0	.2	.5	3.9	.3	1.9	.2	1.8	.2	1.6	.1	.4	.0	.1	1.3	9.9	14.4	14.4	14.4
SSE	.0	.1	.3	2.2	.2	1.5	.1	1.0	.1	.6	.0	.1	.0	.1	.7	5.5	13.2	13.2	13.2
S	.0	.3	.4	3.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.6	9.4	9.4	9.4
SSW	.0	.2	.4	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5	3.6	8.7	8.7	8.7
SW	.0	.2	.5	3.6	.1	1.0	.0	.3	.0	.1	.0	.0	.0	.0	.7	5.2	9.9	9.9	9.9
WSW	.0	.2	.8	5.8	.3	2.0	.1	.7	.0	.2	.0	.1	.0	.0	1.2	9.0	11.0	11.0	11.0
W	.0	.3	.9	6.9	.3	2.5	.3	1.9	.1	.8	.0	.1	.0	.0	1.7	12.5	11.9	11.9	11.9
WNW	.0	.1	.9	6.3	.3	2.5	.3	2.3	.1	.9	.0	.1	.0	.0	1.6	12.1	12.5	12.5	12.5
NW	.0	.2	.9	6.9	.3	2.0	.1	1.0	.0	.3	.0	.0	.0	.0	1.4	10.4	10.9	10.9	10.9
NNW	.0	.1	.6	4.3	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.7	5.5	9.8	9.8	9.8
CALM	.6	4.7													.6	4.7			
TOTAL	1.0	7.4	7.9	58.7	2.3	17.1	1.4	10.7	.7	5.2	.1	.7	.0	.3	13.5	100	10.6	10.6	10.6

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 3 / NIGHT

STATION NUMBER: 03872

NO. OBS.: 2815

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.5	3.6	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6 4.6 8.3
NNE	.0	.1	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.2 6.8
NE	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1 6.2
ENE	.0	.1	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .6 5.2
E	.0	.3	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.3 8.2
ESE	.0	.2	.3	2.2	.1	1.0	.1	.6	.1	.6	.0	.3	.0	.0	.7 4.8 12.8
SE	.1	.4	.5	3.7	.3	2.5	.3	1.8	.2	1.4	.1	.5	.0	.0	1.4 10.3 13.9
SSE	.0	.2	.4	2.6	.2	1.3	.1	1.0	.1	.9	.0	.2	.0	.0	.9 6.2 13.3
S	.1	.6	.5	3.9	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.7 5.4 8.1
SSW	.1	.4	.4	2.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.7 7.5
SW	.0	.2	.5	3.8	.1	.7	.0	.5	.0	.1	.0	.0	.0	.0	.7 5.4 9.7
WSW	.0	.3	.6	4.7	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.9 6.7 9.9
W	.0	.1	.7	5.0	.2	1.7	.2	1.6	.1	1.0	.0	.2	.0	.0	1.3 9.7 12.7
WNW	.0	.2	.8	6.0	.3	2.5	.2	2.1	.2	1.2	.0	.2	.0	.0	1.7 12.3 13.0
NW	.0	.2	.9	6.8	.3	1.9	.0	1.4	.1	.4	.0	.0	.0	.0	1.5 10.7 11.2
NNW	.0	.2	.6	4.2	.1	.6	.0	.4	.0	.1	.0	.0	.0	.0	.7 5.4 9.4
CALM	1.3	9.4													1.3 9.4
TOTAL	1.9	13.6	7.3	53.3	2.0	14.5	1.5	10.8	.8	6.2	.2	1.5	.0	.1	13.7 100 10.1

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1964-1978

STATION NAME: BKW BECKLEY, WV

CLASS 4 / DAY

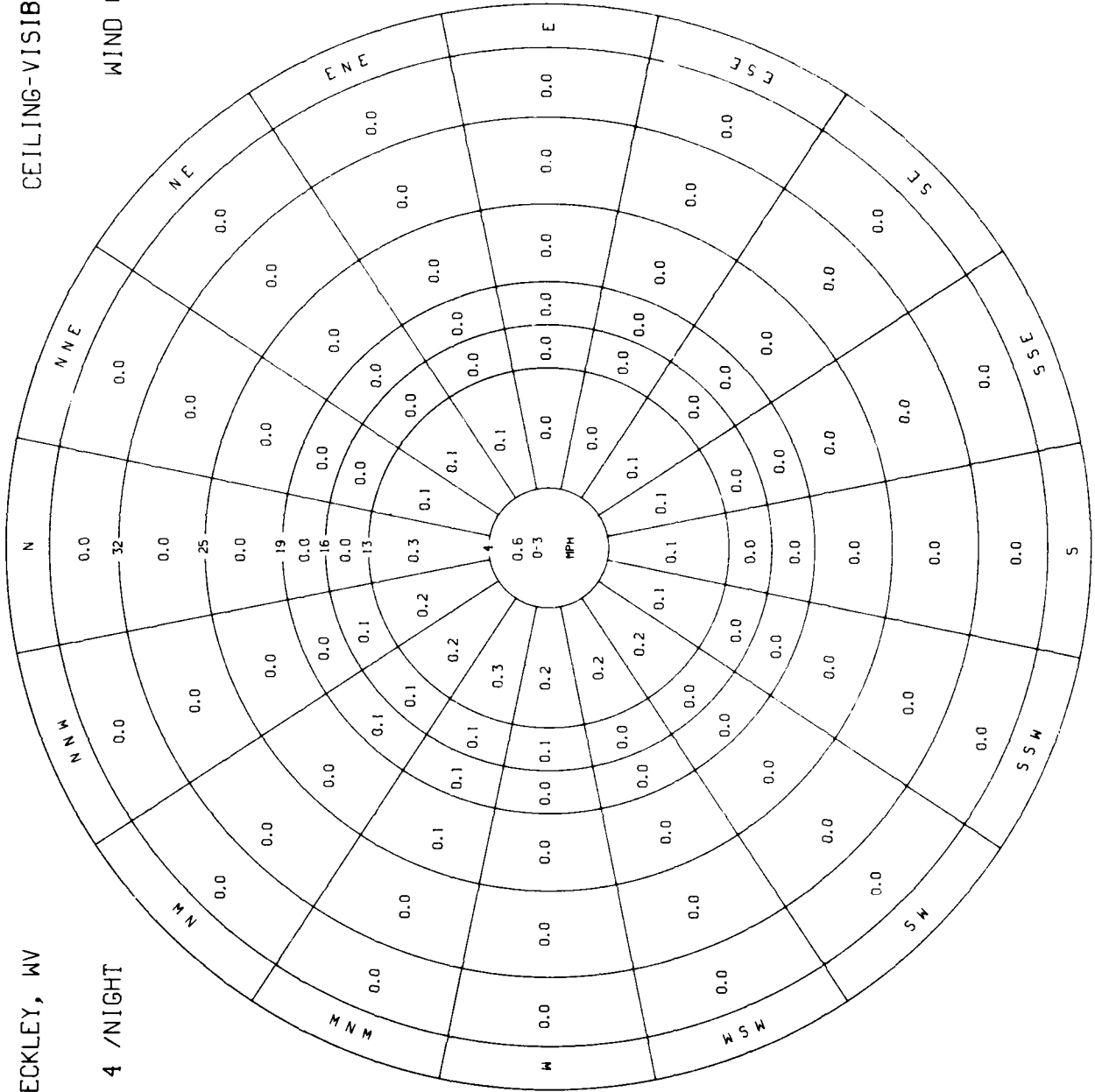
NO. OBS.: 715

STATION NUMBER: 03872

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.2	8.1	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	9.9	8.4
NNE	.0	.3	.1	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	7.1
NE	.0	.1	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	6.6
ENE	.0	.3	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	5.6
E	.0	.8	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.4
ESE	.0	.0	.0	1.4	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1	1.7	9.4
SE	.0	.3	.1	1.7	.0	.3	.0	.7	.0	.1	.0	.0	.0	.0	.1	3.1	11.5
SSE	.0	.0	.0	1.1	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.5	11.4
S	.0	.1	.1	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.4	7.6
SSW	.0	.1	.1	2.1	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.1	2.8	8.3
SW	.0	.0	.1	3.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.2	8.1
WSW	.0	.0	.2	5.3	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.2	6.3	9.5
W	.0	.1	.2	8.1	.1	1.7	.0	1.5	.0	1.4	.0	.7	.0	.0	.4	13.6	12.4
WNW	.0	.0	.2	5.7	.1	3.4	.1	1.8	.1	2.0	.0	.1	.0	.0	.4	13.0	13.3
NW	.0	.8	.3	9.1	.1	2.1	.0	1.5	.0	.7	.0	.0	.0	.0	.4	14.3	10.4
NNW	.0	.4	.2	7.0	.0	.7	.0	1.0	.0	.1	.0	.0	.0	.0	.3	9.2	9.4
CALM	.3	10.2													.3	10.2	
TOTAL	.4	14.3	1.9	61.5	.3	10.8	.2	7.7	.1	4.6	.0	1.1	.0	.0	3.1	100	9.1

CEILING-VISIBILITY

WIND GRAPH



BKW BECKLEY, WV

CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 4 / NIGHT

STATION NUMBER: 03872

NO. OBS.: 752

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.3	8.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.4 9.8
NNE	.0	.5	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.4
NE	.0	.1	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
ENE	.0	.5	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
E	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
ESE	.0	.3	.0	1.2	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.1 2.5
SE	.0	.4	.1	2.0	.0	.9	.0	.5	.0	.7	.0	.1	.0	.0	.2 4.7
SSE	.0	.1	.1	1.5	.0	.3	.0	.1	.0	.0	.0	.1	.0	.1	.1 2.3
S	.0	.5	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
SSW	.0	.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
SW	.0	.4	.2	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.8
WSW	.0	.4	.2	5.9	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.3 7.2
W	.0	.1	.2	4.4	.1	2.4	.0	1.1	.0	1.2	.0	.1	.0	.1	.3 9.4
WNW	.0	.4	.3	7.3	.1	2.1	.1	2.4	.1	1.5	.0	.4	.0	.0	.5 14.1
NW	.0	.1	.2	6.5	.1	2.9	.1	1.5	.0	.1	.0	.0	.0	.0	.4 11.2
NNW	.0	.4	.2	5.5	.1	1.9	.0	.8	.0	.1	.0	.0	.0	.0	.4 9.7
CALM	.4	10.1													.4 10.1
TOTAL	.6	16.2	2.2	59.2	.5	12.8	.2	6.6	.2	4.1	.0	.8	.0	.3	3.7 100
															8.9

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 5 / DAY

STATION NUMBER: 03872

NO. OBS.: 179

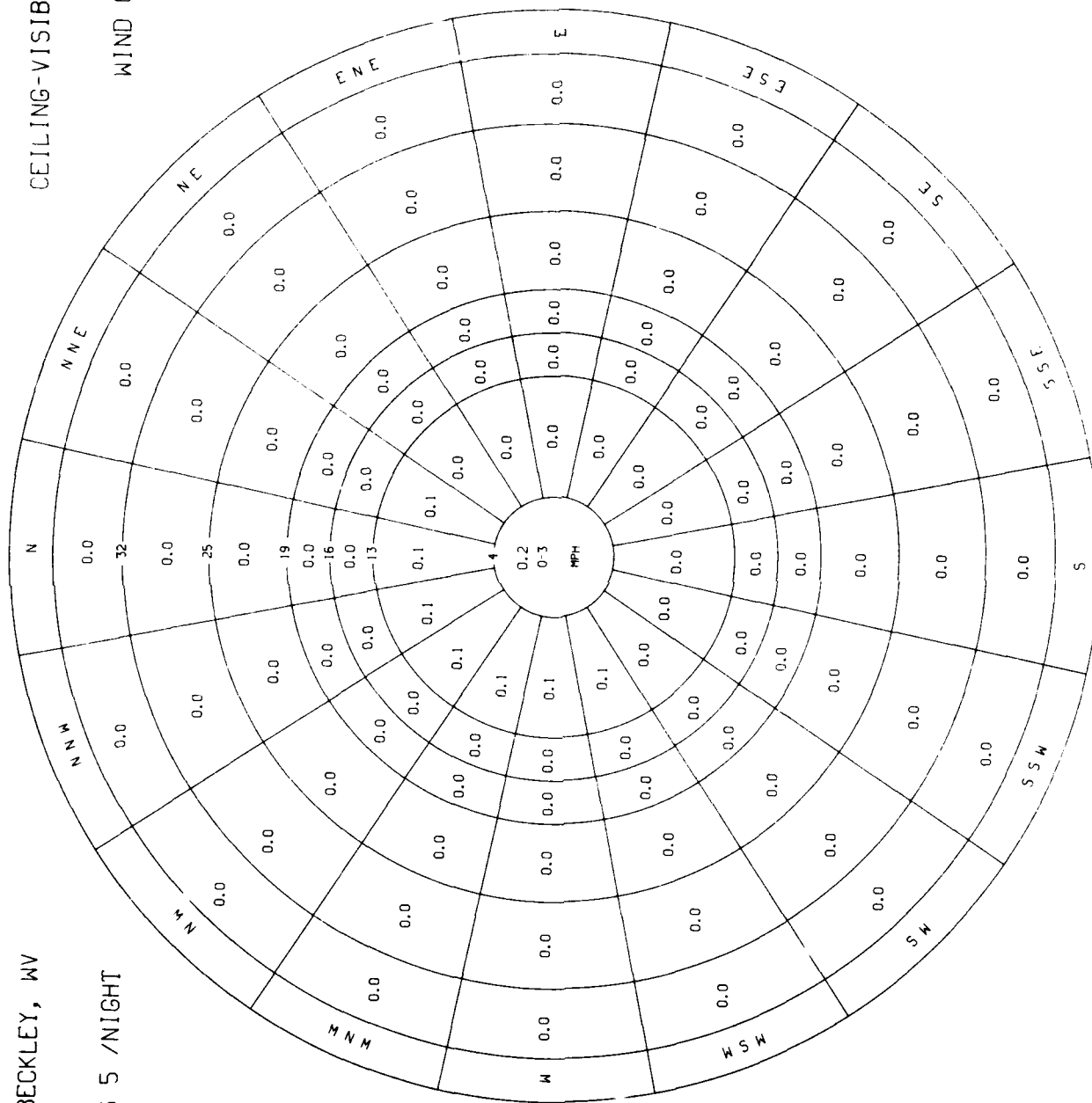
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	12.8	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.1 14.5
NNE	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
NE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
ENE	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
E	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.6	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.6	.0	.6	.0 3.9
SE	.0	.6	.0	1.1	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 2.8
SSE	.0	.6	.0	1.1	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0 2.8
S	.0	.0	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
WSW	.0	.6	.0	3.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
W	.0	.6	.0	5.6	.0	1.1	.0	.0	.0	1.7	.0	.6	.0	.0	.1 9.5
WNW	.0	.6	.1	7.8	.0	2.2	.0	2.8	.0	.6	.0	.0	.0	.0	.1 14.0
NW	.0	.0	.1	7.3	.0	.6	.0	1.7	.0	1.1	.0	.0	.0	.0	.1 10.6
NNW	.0	.0	.1	8.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.6
CALM	.0	5.6													.0 5.6
TOTAL	.1	11.2	.5	67.6	.1	8.4	.0	6.1	.0	5.0	.0	1.1	.0	.6	.8 100
															9.1

BKW BECKLEY, WV

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 5 / NIGHT

STATION NUMBER: 03872

NO. OBS.: 254

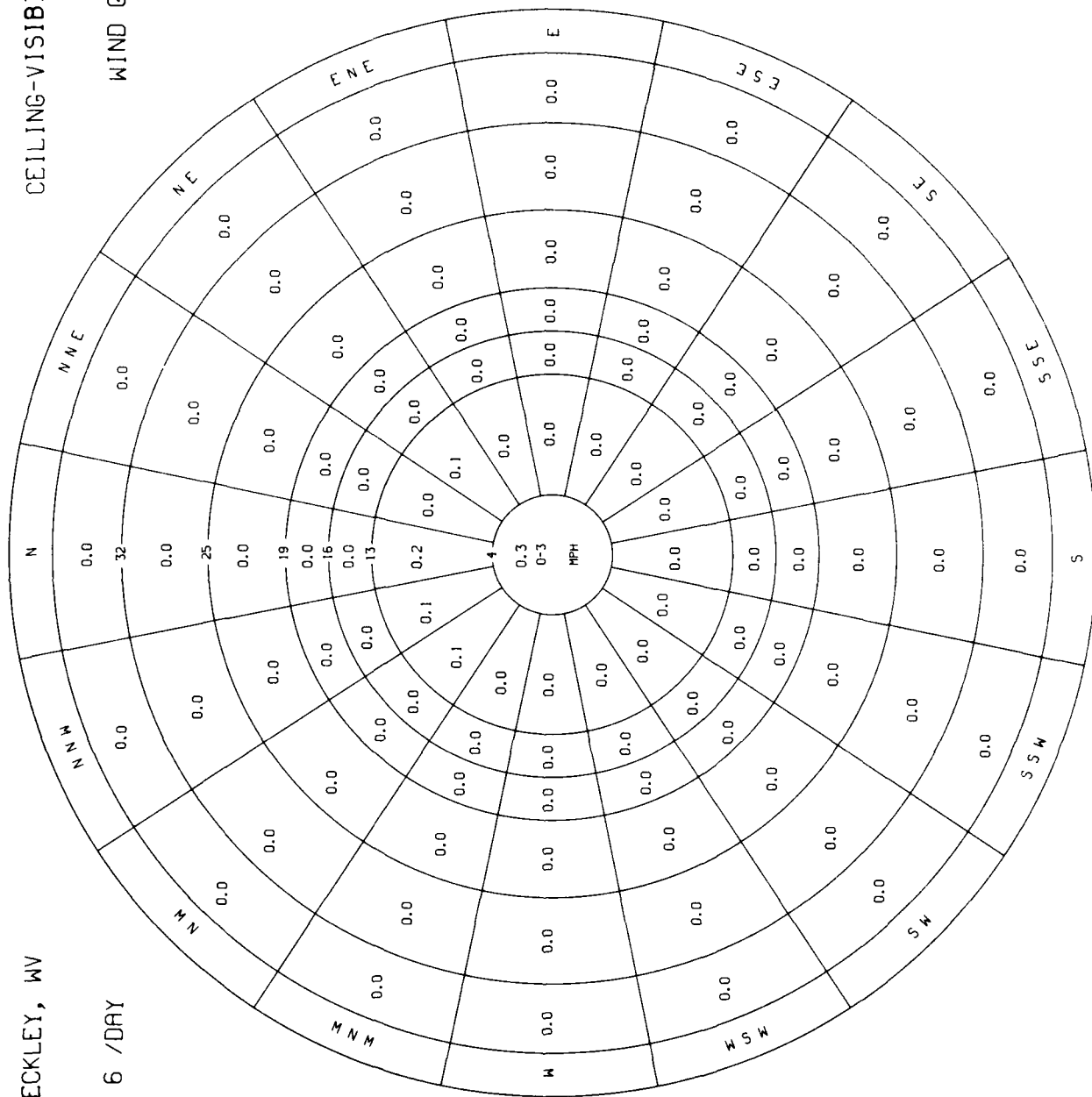
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.0	.1	10.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.4	8.9
NNE	.0	.4	.1	5.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	6.7
NE	.0	.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.2
ENE	.0	1.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.9
E	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.0
ESE	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.8	11.0
SE	.0	.0	.0	.8	.0	.4	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	2.0	17.4
SSE	.0	.4	.0	1.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.3
S	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.5
SSW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.1
SW	.0	.0	.0	2.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.5
WSW	.0	.4	.1	5.5	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	6.3	8.3
W	.0	.4	.1	6.7	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	.0	.1	8.3	9.3
WNW	.0	.0	.1	8.7	.0	.8	.0	2.0	.0	.8	.0	.4	.0	.0	.0	.2	12.6	11.5
NW	.0	.0	.1	8.7	.0	1.2	.0	.8	.0	.8	.0	.0	.0	.0	.0	.1	11.4	10.4
NNW	.0	.4	.1	9.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	11.0	8.3
CALM	.2	13.4														.2	13.4	
TOTAL	.2	17.7	.9	69.3	.1	4.3	.1	4.7	.0	2.4	.0	1.6	.0	.0	.0	1.2	100	7.8

CEILING-VISIBILITY

WIND GRAPH

BKW BECKLEY, WV

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 6 / DAY

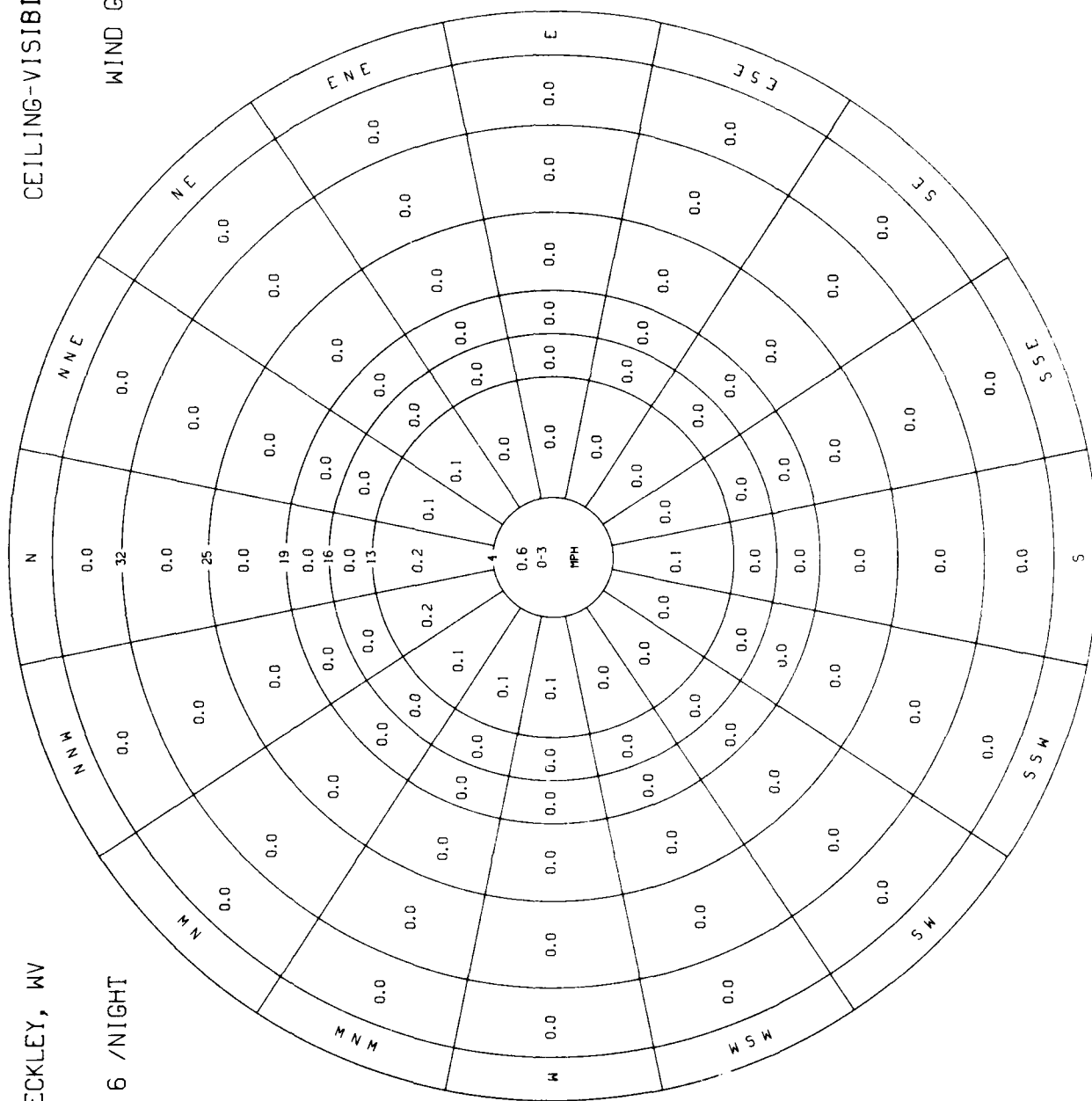
STATION NUMBER: 03872

NO. OBS.: 263

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	.4	.2	17.1	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.2	19.0	8.5
NNE	.0	.4	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.0
NE	.0	.8	.1	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	5.2
ENE	.0	.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.1
E	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
ESE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.9	10.4
SE	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.1	12.7
SSE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
S	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.6
SSW	.0	.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.1
SW	.0	.4	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2
WSW	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.6
W	.0	.0	.0	2.7	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	4.2	10.9
WNW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	3.8	10.4
NW	.0	.4	.1	7.6	.0	1.5	.0	.4	.0	.4	.0	.0	.0	.0	.1	10.3	9.5
NNW	.0	1.1	.1	12.2	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.2	15.2	7.8
CALM	.2	16.7															
TOTAL	.3	24.7	.7	66.2	.1	5.3	.0	1.5	.0	1.9	.0	.4	.0	.0	.2	100	6.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 8KW BECKLEY, WV

PERIOD: 1964-1978

CLASS 6 / NIGHT

STATION NUMBER: 03872

NO. OBS.: 388

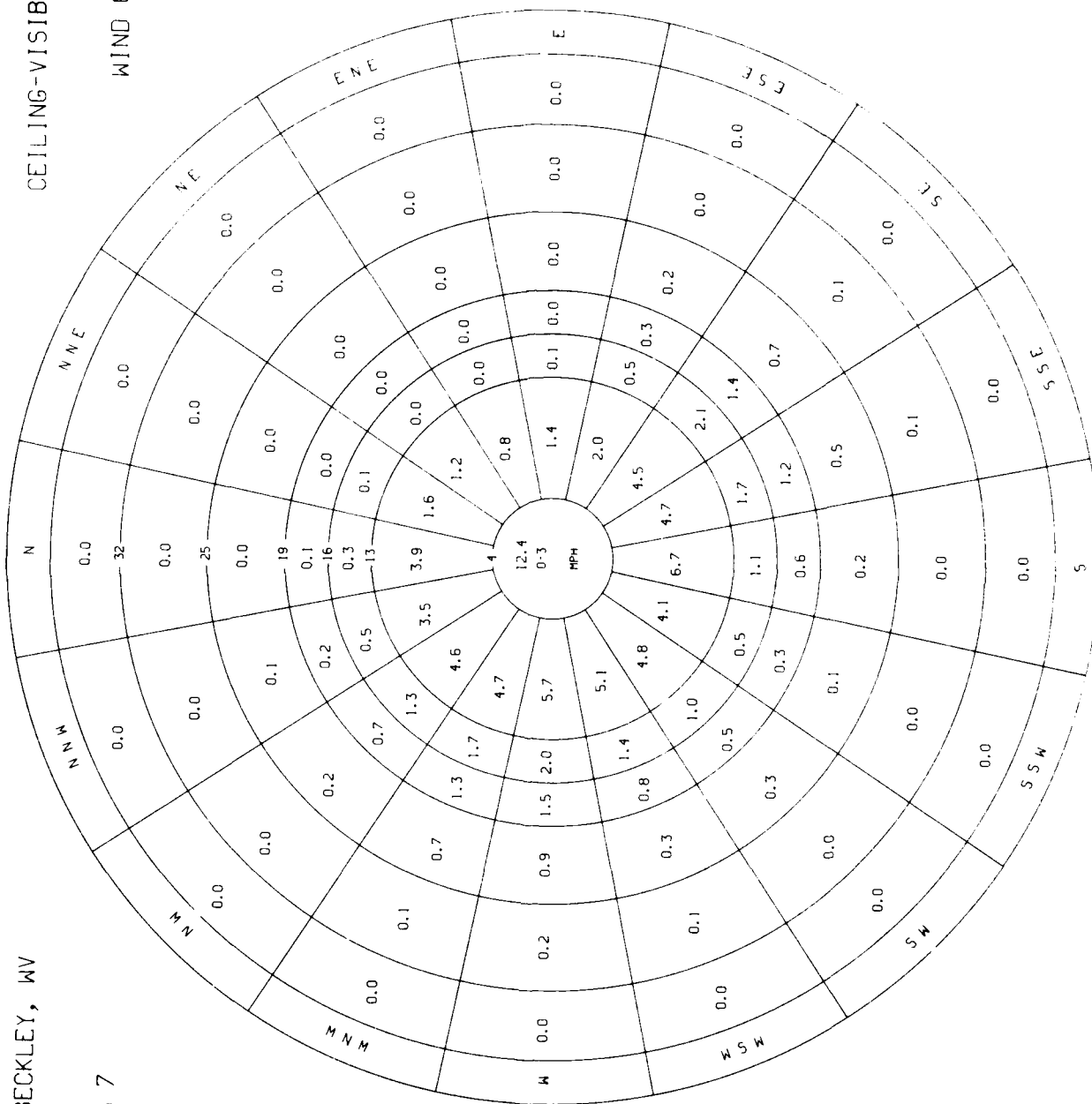
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	1.3	.2	12.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	14.7	7.3
NNE	.0	.0	.1	3.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	3.4	7.5
NE	.0	.3	.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	5.3
ENE	.0	.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.1
E	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.8
ESE	.0	1.0	.0	.8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.1	6.1
SE	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
SSE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
S	.0	.5	.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.1	5.4
SSW	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
SW	.0	.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	5.6
WSW	.0	.0	.0	2.1	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	2.6	9.5
W	.0	.0	.1	4.6	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	5.4	8.4
WNW	.0	.0	.1	4.6	.0	.3	.0	.3	.0	.5	.0	.3	.0	.0	.0	.1	5.9	10.2
NW	.0	.8	.1	6.4	.0	.8	.0	.8	.0	.8	.0	.3	.0	.0	.0	.2	9.8	10.5
NNW	.0	.5	.2	8.8	.0	1.0	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.2	11.6	8.8
CALM	.5	26.8														.5	26.8	
TOTAL	.6	34.0	1.1	57.2	.1	3.6	.0	2.6	.0	2.1	.0	.5	.0	.0	.0	1.9	100	5.8

CEILING-VISIBILITY

WIND GRAPH

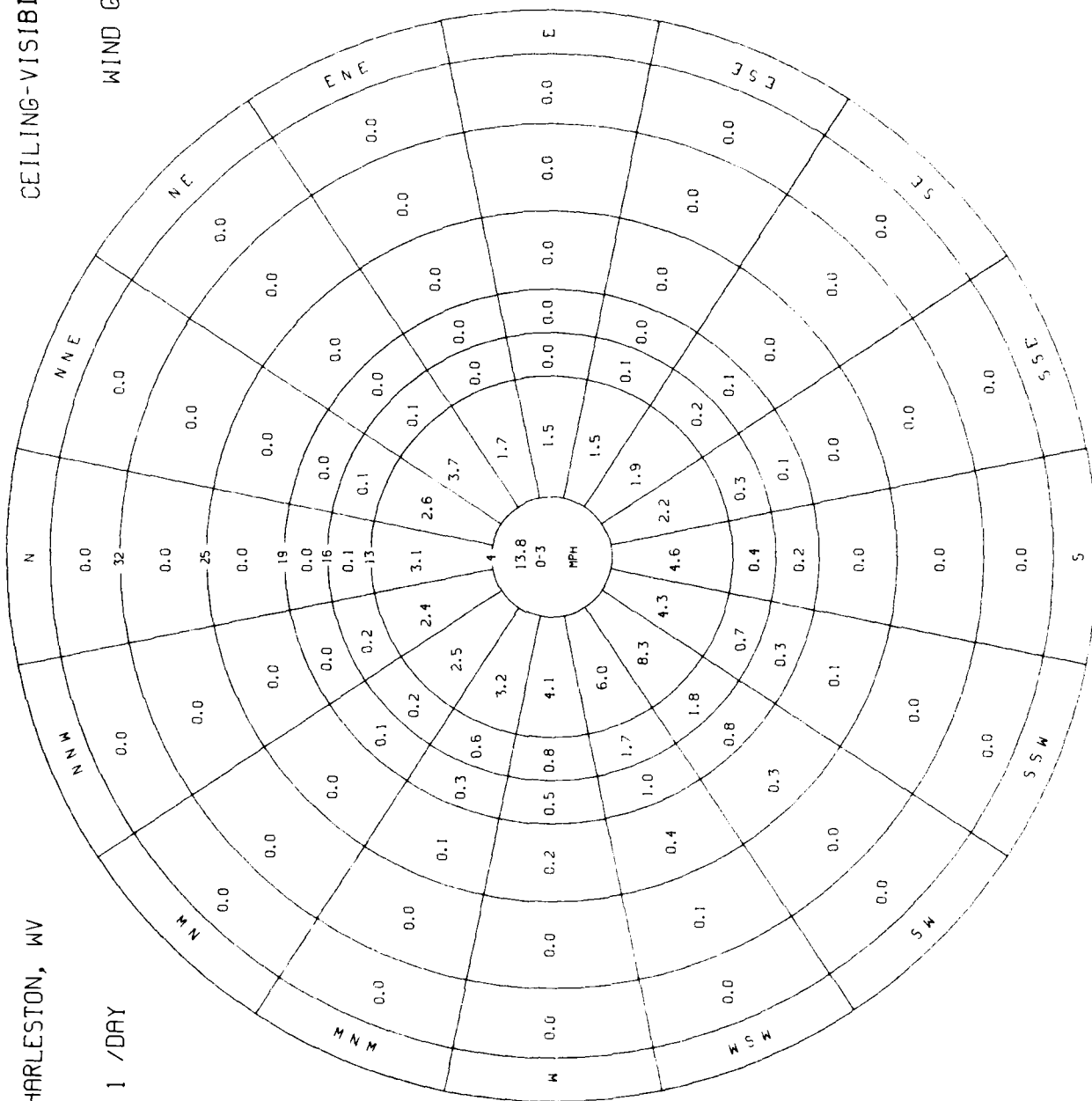
BKW BECKLEY, WV

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: CRW CHARLESTON, WV

CLASS 1 / DAY

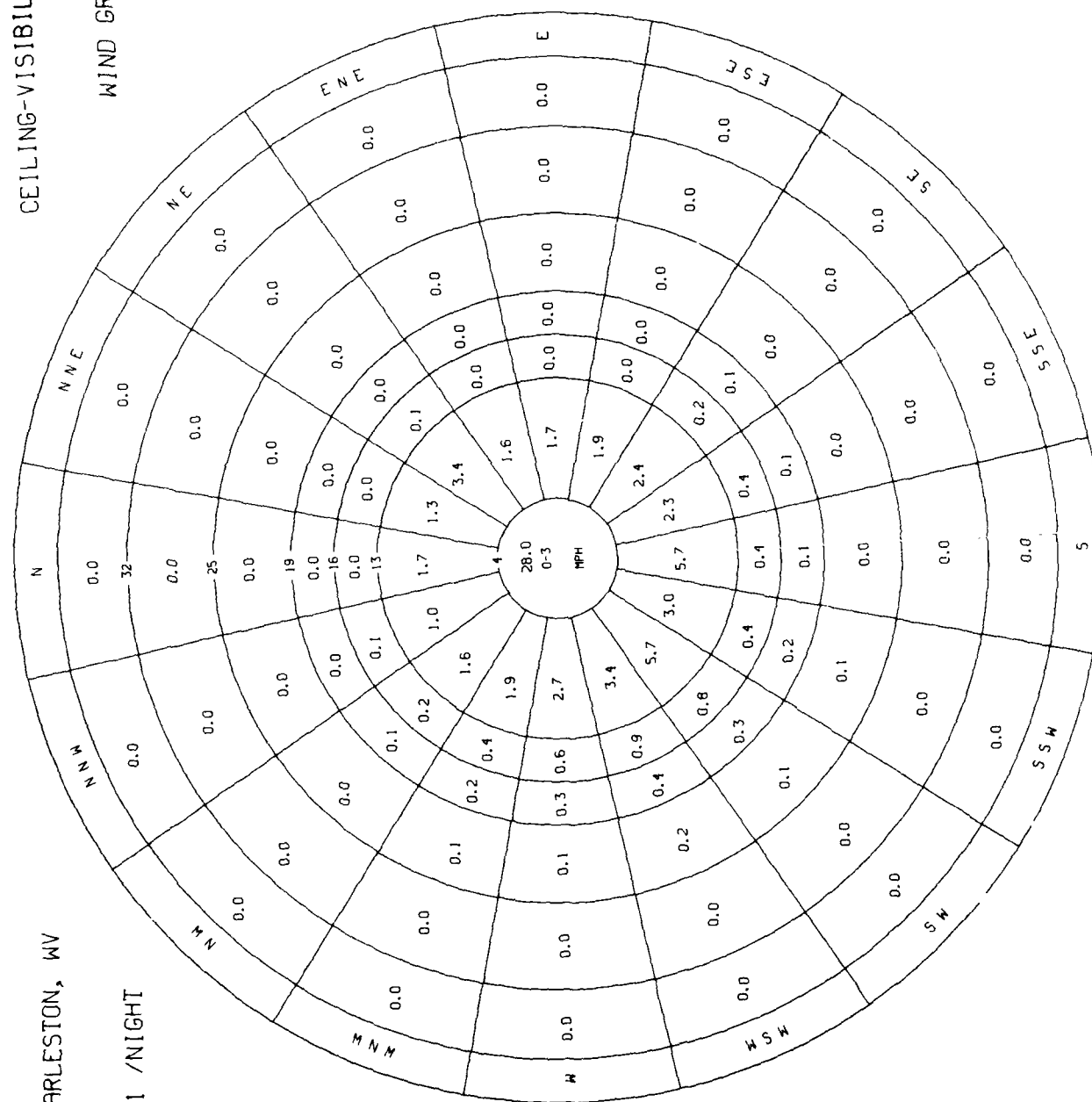
NO. OBS.: 36779

STATION NUMBER: 13866

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.7	.9	3.1	3.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	4.0 5.0
NNE	.6	.7	2.6	3.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.3 4.1
NE	1.0	1.3	3.7	4.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.9 6.1
ENE	.7	.8	1.7	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4 3.0
E	.6	.8	1.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.7
ESE	.4	.5	1.5	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.5
SE	.4	.5	1.9	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.3
SSE	.4	.5	2.2	2.8	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	3.0 3.7
S	.6	.8	4.6	5.8	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	5.9 7.4
SSW	.4	.5	4.3	5.4	.7	.9	.3	.4	.1	.1	.0	.0	.0	.0	5.9 7.3
SW	.5	.6	8.3	10.3	1.8	2.2	.8	1.0	.3	.4	.0	.1	.0	.0	11.8 14.7
WSW	.4	.5	6.0	7.5	1.7	2.1	1.0	1.3	.4	.6	.1	.1	.0	.0	9.7 12.1
W	.5	.6	4.1	5.1	.8	1.0	.5	.7	.2	.3	.0	.0	.0	.0	6.2 7.7
WNW	.4	.4	3.2	4.0	.6	.8	.3	.4	.1	.1	.0	.0	.0	.0	4.7 5.8
NW	.4	.5	2.5	3.1	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	3.3 4.2
NNW	.4	.5	2.4	3.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.1 3.8
CALM	5.3	6.6													5.3 6.6
TOTAL	13.8	17.2	53.7	67.0	7.4	9.2	3.7	4.6	1.4	1.7	.3	.3	.0	.0	80.2 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 1 / NIGHT

STATION NUMBER: 13866

NO. OBS.: 29559

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.6	.8	1.7	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.2	5.9
NNE	.5	.7	1.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.5	6.0
NE	1.6	2.2	3.4	4.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.7	5.4
ENE	1.5	1.9	1.6	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.0	4.5
E	2.0	2.6	1.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.9	4.3
ESE	1.1	1.5	1.9	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.1	5.1
SE	1.0	1.3	2.4	3.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.7	4.8	6.5
SSE	.5	.7	2.3	3.0	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	3.3	4.4	7.9
S	1.4	1.8	5.7	7.4	.4	.6	.1	.1	.0	.0	.0	.0	.0	.0	7.6	10.0	6.8
SSW	.7	.9	3.0	3.9	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.3	5.6	7.8
SW	.7	.9	5.7	7.5	.8	1.0	.3	.3	.1	.1	.0	.0	.0	.0	7.5	9.9	8.5
WSW	.2	.3	3.4	4.5	.9	1.1	.4	.6	.2	.2	.0	.0	.0	.0	5.1	6.7	10.2
W	.3	.4	2.7	3.6	.6	.8	.3	.4	.1	.1	.0	.0	.0	.0	4.0	5.3	9.6
WNW	.2	.2	1.9	2.4	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.7	3.5	9.5
NW	.3	.4	1.6	2.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.9	8.1
NNW	.3	.4	1.0	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.9	7.3
CALM	15.1	19.8													15.1	19.8	
TOTAL	28.0	36.8	41.3	54.3	4.5	5.8	1.7	2.2	.6	.8	.1	.1	.0	.0	76.1	100	5.8

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 2 / DAY

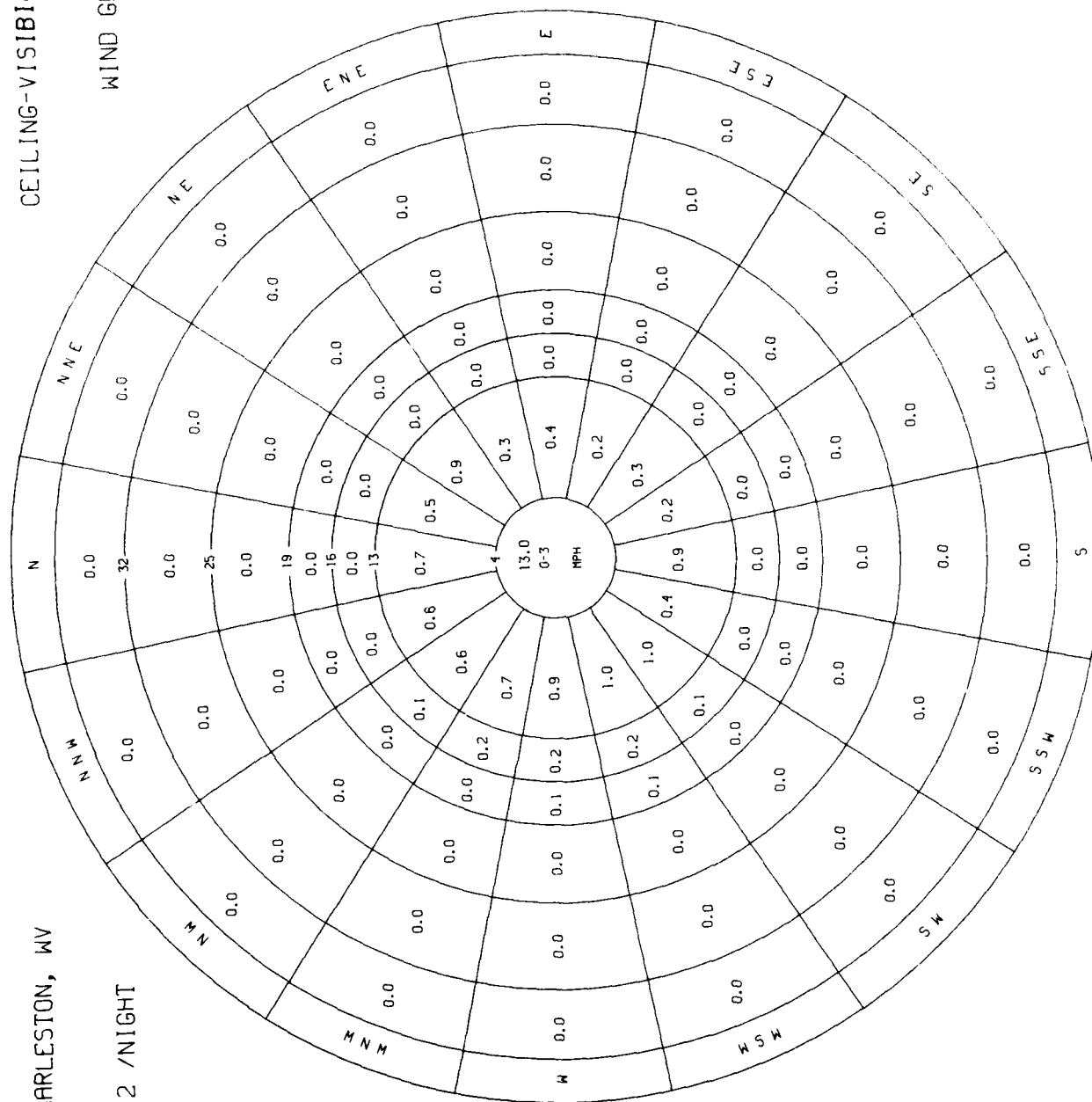
STATION NUMBER: 13866

NO. OBS.: 9088

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	1.6	.8	4.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2 6.0
NNE	.3	1.5	.6	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 4.7
NNE	.7	3.4	.9	4.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5 7.8
ENE	.5	2.6	.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 4.5
E	.4	2.0	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 3.3
ESE	.2	.9	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
SE	.2	.9	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
SSE	.2	.9	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.1
S	.3	1.7	.7	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1 5.5
SSW	.3	1.4	.4	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 3.6
SW	.2	1.0	1.2	5.9	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	1.5 7.5
WSW	.1	.7	1.2	5.8	.2	1.0	.1	.7	.1	.3	.0	.0	.0	.0	1.7 8.5
W	.1	.5	.9	4.4	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	1.3 6.4
WNW	.1	.3	.7	3.7	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	1.0 5.2
NW	.1	.6	.6	2.9	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.0
NNW	.2	.8	.5	2.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.0
CALM	4.6	23.2													4.6 23.2
TOTAL	8.7	44.0	9.7	48.9	.8	4.3	.4	2.0	.1	.7	.0	.1	.0	.0	19.8 100
															5.2

CRW CHARLESTON, WV

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: CRW CHARLESTON, WV

CLASS 2 / NIGHT

NO. OBS.: 9293

STATION NUMBER: 13866

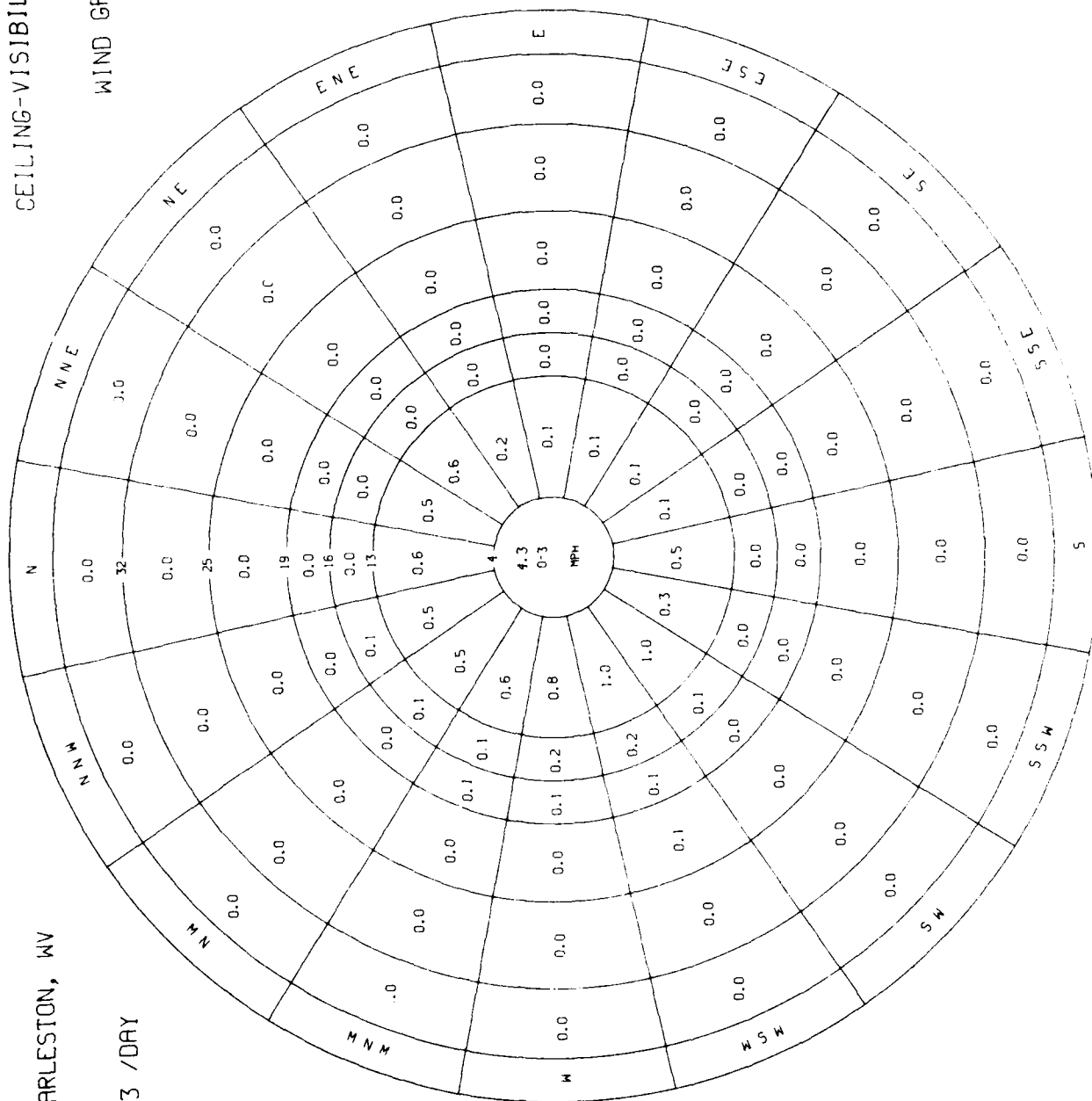
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.3	1.1	.7	2.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.1	6.0	
NNE	.2	1.0	.5	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0	5.7	
NE	.8	3.4	.9	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.7	7.1	4.7	
ENE	.5	2.3	.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.6	4.2	
E	.7	2.8	.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.5	3.9	
ESE	.4	1.8	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.8	3.7	
SE	.4	1.8	.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.2	4.2	
SSE	.2	.9	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.9	4.8	
S	.5	2.2	.9	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.5	6.1	5.1	
SSW	.2	.9	.4	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	2.5	5.5	
SW	.2	.8	1.0	4.3	.1	.4	.0	.1	.0	.1	.0	.0	.0	1.4	5.7	7.9	
WSW	.1	.3	1.0	4.1	.2	1.0	.1	.4	.0	.1	.0	.0	.0	1.4	6.0	9.9	
W	.1	.4	.9	3.8	.2	.9	.1	.3	.0	.1	.0	.0	.0	1.3	5.4	9.3	
WNW	.1	.3	.7	2.8	.2	.6	.0	.2	.0	.1	.0	.0	.0	1.0	4.1	9.4	
NW	.1	.5	.6	2.4	.1	.3	.0	.1	.0	.0	.0	.0	.0	.8	3.3	7.9	
NNW	.1	.6	.6	2.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	3.3	7.2	
CALM	8.0	33.3												8.0	33.3		
TOTAL	13.0	54.4	9.6	40.1	.9	3.8	.3	1.2	.1	.5	.0	.1	.0	23.9	100	4.3	

CEILING-VISIBILITY

WIND GRAPH

CRW CHARLESTON, WV

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 3 / DAY

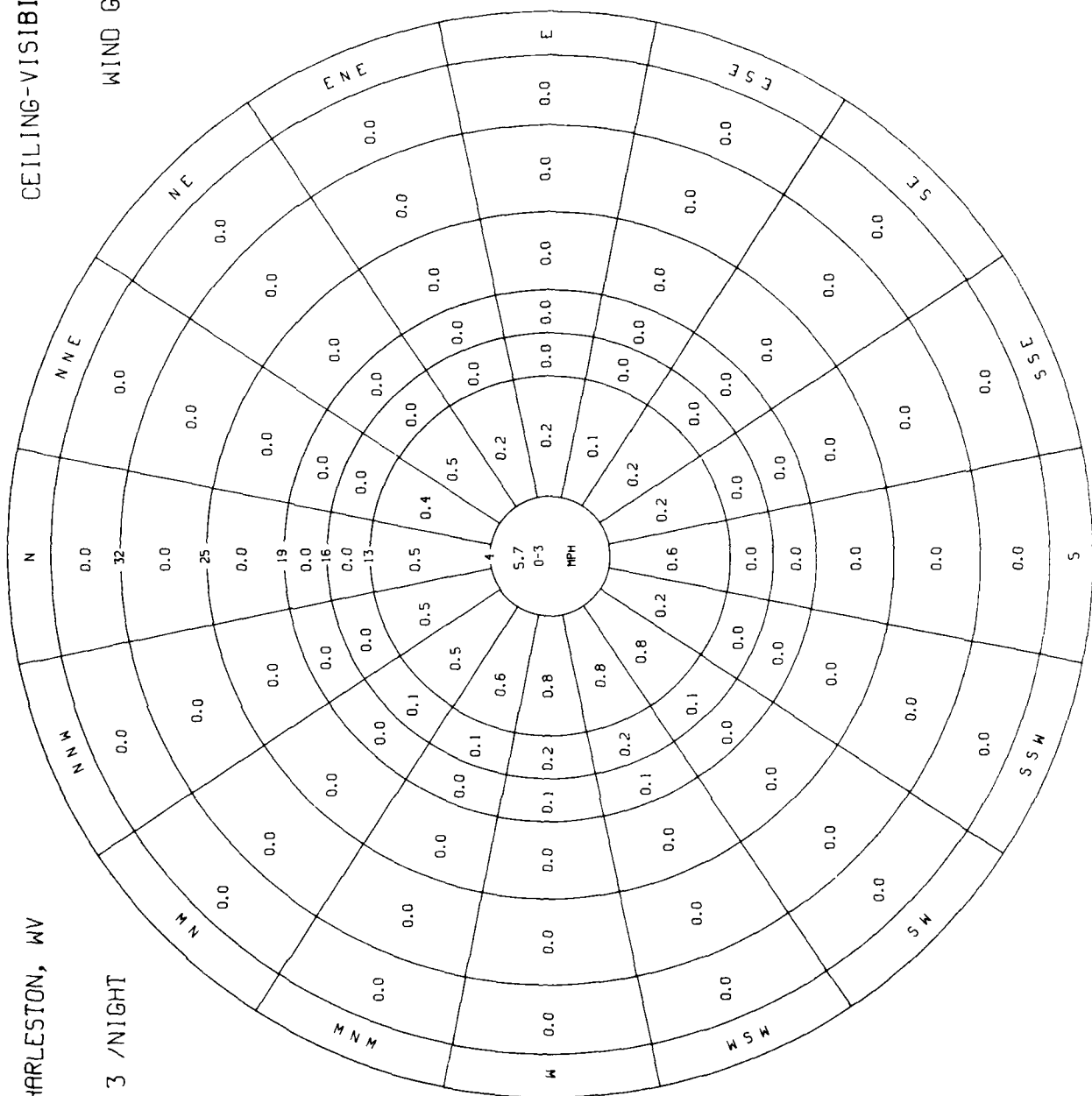
STATION NUMBER: 13866

NO. OBS.: 6026

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.2	1.5	.6	4.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.7	6.3
NNE	.2	1.3	.5	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.1	6.1
NE	.3	2.4	.6	4.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.2	5.4
ENE	.2	1.9	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.7	4.6
E	.2	1.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	4.4
ESE	.1	.5	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	4.7
SE	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.1
SSE	.1	.7	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.7	5.2
S	.2	1.3	.5	4.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.5	5.7
SSW	.2	1.4	.3	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.9	5.9
SW	.1	.9	1.0	7.5	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.2	9.4	8.1
WSW	.1	.8	1.0	7.6	.2	1.3	.1	.9	.1	.4	.0	.0	.0	.0	.0	1.5	11.1	9.8
W	.1	.6	.8	5.7	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.0	1.1	8.5	9.5
WNW	.0	.3	.6	4.8	.1	.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.9	6.8	9.6
NW	.1	.8	.5	3.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.0	7.8
NNW	.1	.8	.5	3.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	4.8	7.5
CALM	2.0	15.4														2.0	15.4	
TOTAL	4.3	32.4	7.6	58.0	.8	5.9	.3	2.5	.1	.9	.0	.1	.0	.0	.0	13.1	100	6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 3 / NIGHT

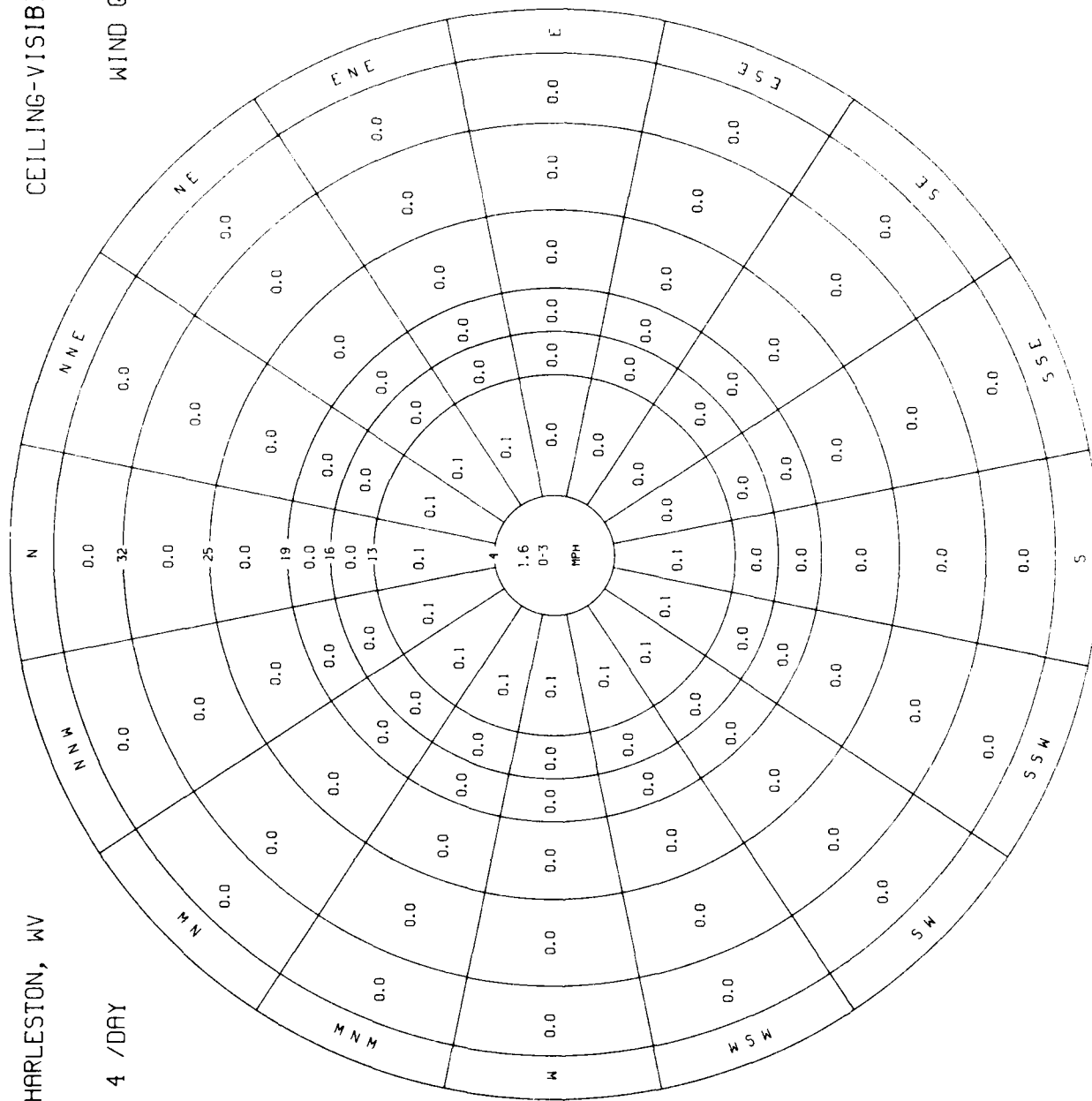
STATION NUMBER: 13866

NO. OBS.: 5374

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.5	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 5.0
NNE	.1	.8	.4	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 3.4
NE	.3	2.3	.5	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 6.2
ENE	.2	1.7	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
E	.3	2.0	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5 3.5
ESE	.2	1.5	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.5
SE	.2	1.6	.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
SSE	.1	.9	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.1
S	.3	2.0	.6	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 6.3
SSW	.1	.7	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.6
SW	.1	.6	.8	5.7	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.0 7.4
WSW	.0	.4	.8	5.8	.2	1.5	.1	.6	.0	.2	.0	.0	.0	.0	1.2 8.5
W	.1	.4	.8	5.4	.2	1.4	.1	.4	.0	.1	.0	.0	.0	.0	1.1 7.9
WNW	.0	.4	.6	4.1	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.8 6.0
NW	.1	.5	.5	3.4	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.6 4.5
NNW	.1	.6	.5	3.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6 4.2
CALM	3.3	24.2													3.3 24.2
TOTAL	5.7	41.6	6.9	49.8	.8	6.1	.3	1.9	.1	.7	.0	.1	.0	.0	13.8 100
															5.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 4 / DAY

STATION NUMBER: 13866

NO. OBS.: 1332

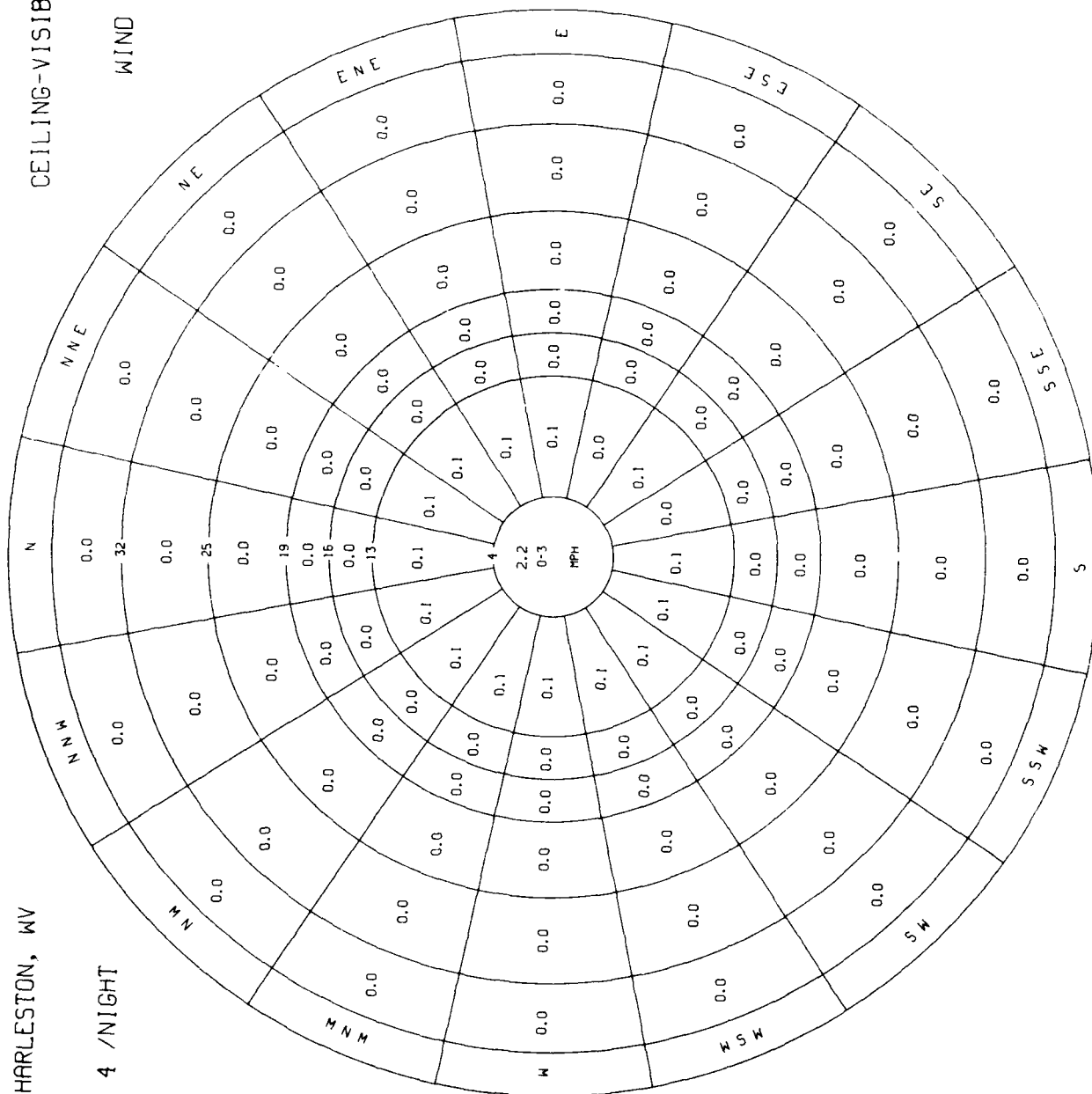
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	1.9	.1	3.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	5.7	5.3
NNE	.1	2.3	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	4.9
NE	.1	4.9	.1	5.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	10.1	4.7
ENE	.1	3.2	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.1	4.1
E	.1	3.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.2	3.7
ESE	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	3.8
SE	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.0
SSE	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	4.9
S	.1	2.0	.1	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.8	5.1
SSW	.0	1.4	.1	1.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	3.2	5.8
SW	.0	1.1	.1	3.8	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	5.0	6.4
WSW	.0	.7	.1	3.8	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.2	5.5	8.6
W	.0	.6	.1	3.2	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.6	8.3
WNW	.0	.3	.1	3.2	.0	.5	.0	.4	.0	.1	.0	.0	.0	.0	.1	4.5	9.6
NW	.0	.0	.1	2.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.9	8.4
NNW	.0	1.0	.1	1.9	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.2	6.5
CALM	.8	29.1													.8	29.1	
TOTAL	1.6	54.7	1.2	41.0	.1	2.0	.1	1.7	.0	.5	.0	.1	.0	.0	2.9	10.0	4.2

CRW CHARLESTON, WV

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 4 / NIGHT

STATION NUMBER: 13866

NO. OBS.: 1410

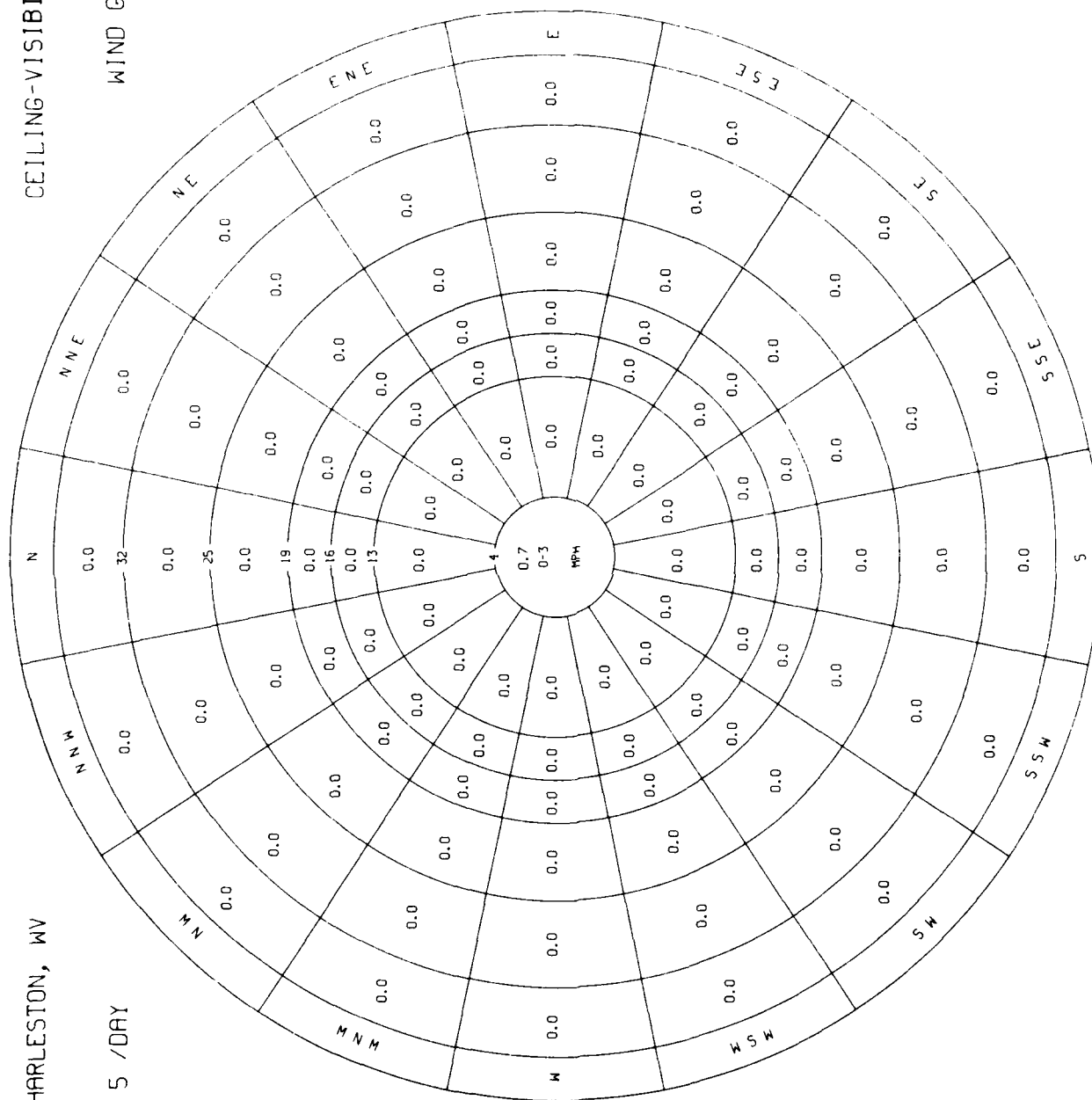
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
NNE	.0	1.3	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
NE	.2	4.3	.1	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.4
ENE	.1	2.6	.1	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 4.3
E	.1	3.0	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.6
ESE	.1	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
SE	.1	1.6	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SSE	.0	.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.6
S	.1	2.5	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.3
SSW	.0	1.1	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
SW	.0	1.1	.1	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 4.6
WSW	.0	.3	.1	3.5	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.2 4.6
W	.0	.5	.1	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.1
WNW	.0	.4	.1	2.2	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.1 3.0
NW	.0	.6	.1	2.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.1
NNW	.0	.8	.1	2.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.3
CALM	1.3	36.5													1.3 36.5
TOTAL	2.2	60.5	1.3	37.0	.0	1.3	.0	.8	.0	.5	.0	.0	.0	.0	3.6 100

CEILING-VISIBILITY

WIND GRAPH

CRW CHARLESTON, WV

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 5 / DAY

STATION NUMBER: 13866

NO. OBS.: 485

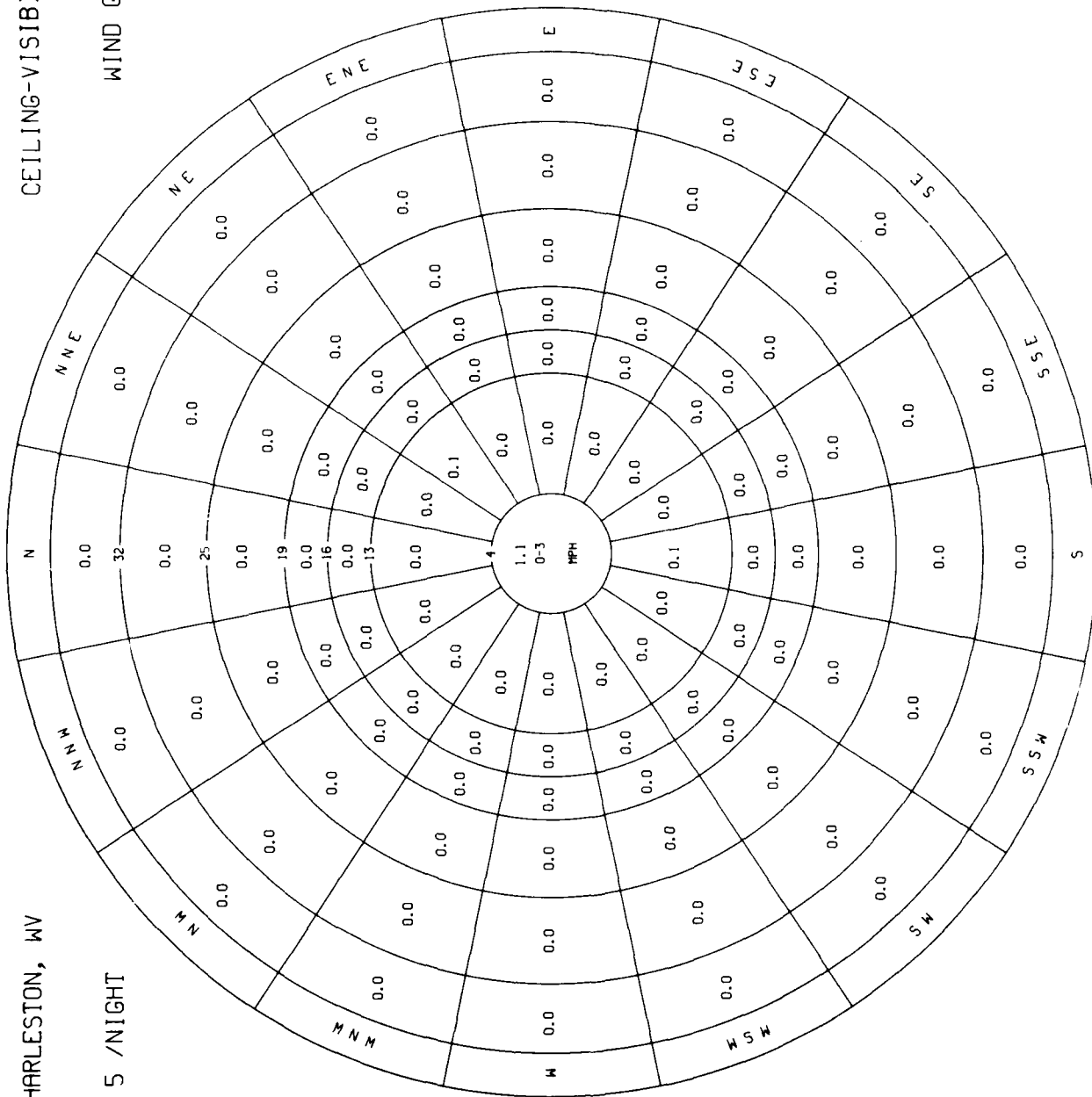
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.9	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.2
NNE	.0	.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.1
NE	.1	7.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	3.8
ENE	.0	2.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	3.9
E	.0	4.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	3.9
ESE	.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.9
SE	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.3
SSE	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.5
S	.0	3.3	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	4.2
SSW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.2
SW	.0	1.4	.0	2.3	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	3.3	5.6
WSW	.0	.6	.0	2.3	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	3.3	7.8
W	.0	.2	.0	1.2	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.1	9.9
WNW	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.4	9.1
NW	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.6
NNW	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.1
CALM	.4	38.8													.4	38.8	
TOTAL	.7	68.9	.3	29.7	.0	.6	.0	.4	.0	.4	.0	.0	.0	.0	1.1	100	2.9

CEILING-VISIBILITY

WIND GRAPH

CRW CHARLESTON, WV

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 5 / NIGHT

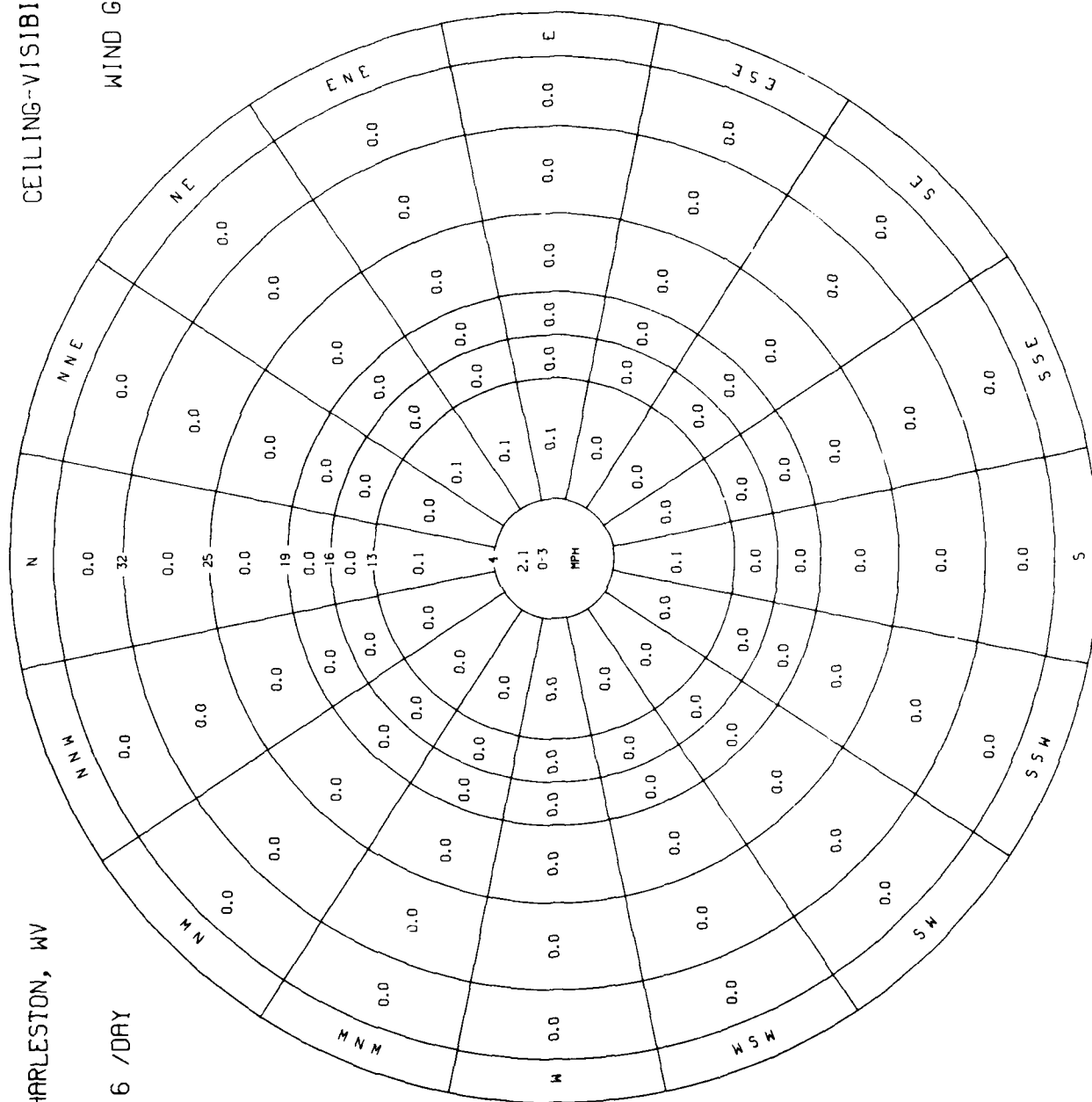
STATION NUMBER: 13866

NO. OBS.: 602

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.1
NNE	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.0
NE	.1	4.3	.1	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.8	4.4
ENE	.0	3.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	3.7
E	.1	4.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	3.7
ESE	.0	2.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	3.5
SE	.0	1.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.8
SSE	.0	.7	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.3
S	.0	2.7	.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	4.7
SSW	.0	.7	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
SW	.0	.3	.0	3.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.5	7.1
WSW	.0	.3	.0	2.0	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.3	9.4
W	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.9
WNW	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.2
NW	.0	.5	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.7	6.3
NNW	.0	.2	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	7.2
CALM	.7	46.7													.7	46.7	
TOTAL	1.1	70.8	.4	27.4	.0	1.0	.0	.7	.0	.2	.0	.0	.0	.0	1.5	100	2.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 6 / DAY

STATION NUMBER: 13866

NO. OBS.: 1243

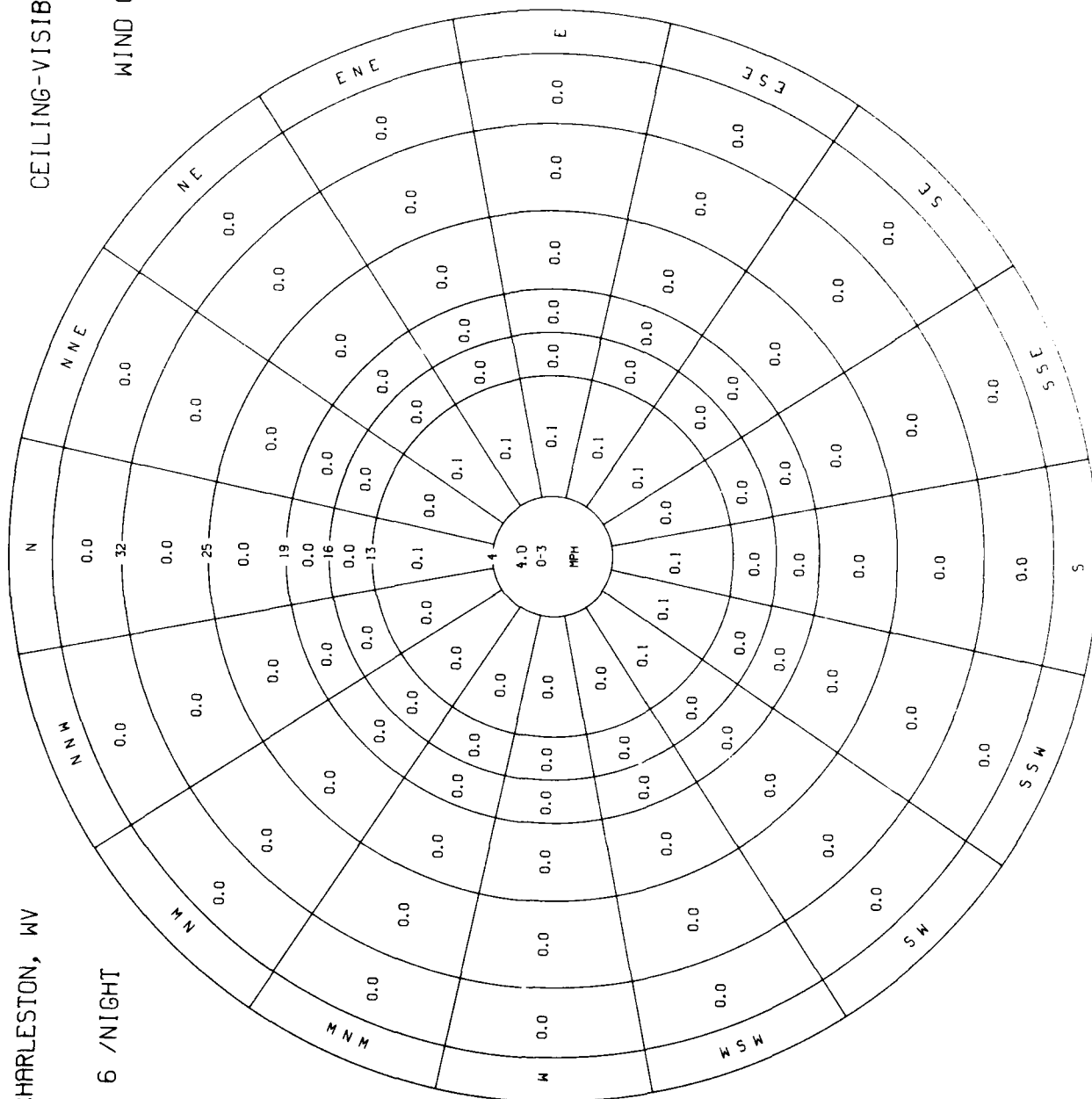
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.6
NNE	.1	2.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
NE	.1	4.8	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.6
ENE	.1	5.2	.1	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.8
E	.1	4.4	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.5
ESE	.0	1.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SE	.1	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
SSE	.0	1.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.1
S	.1	2.5	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.5
SSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
SW	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
WSW	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
W	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
WNW	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
NW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NNW	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
CALM	1.3	48.6													1.3 48.6
TOTAL	2.1	79.2	.6	20.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7 100

CRW CHARLESTON, WV

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 6 / NIGHT

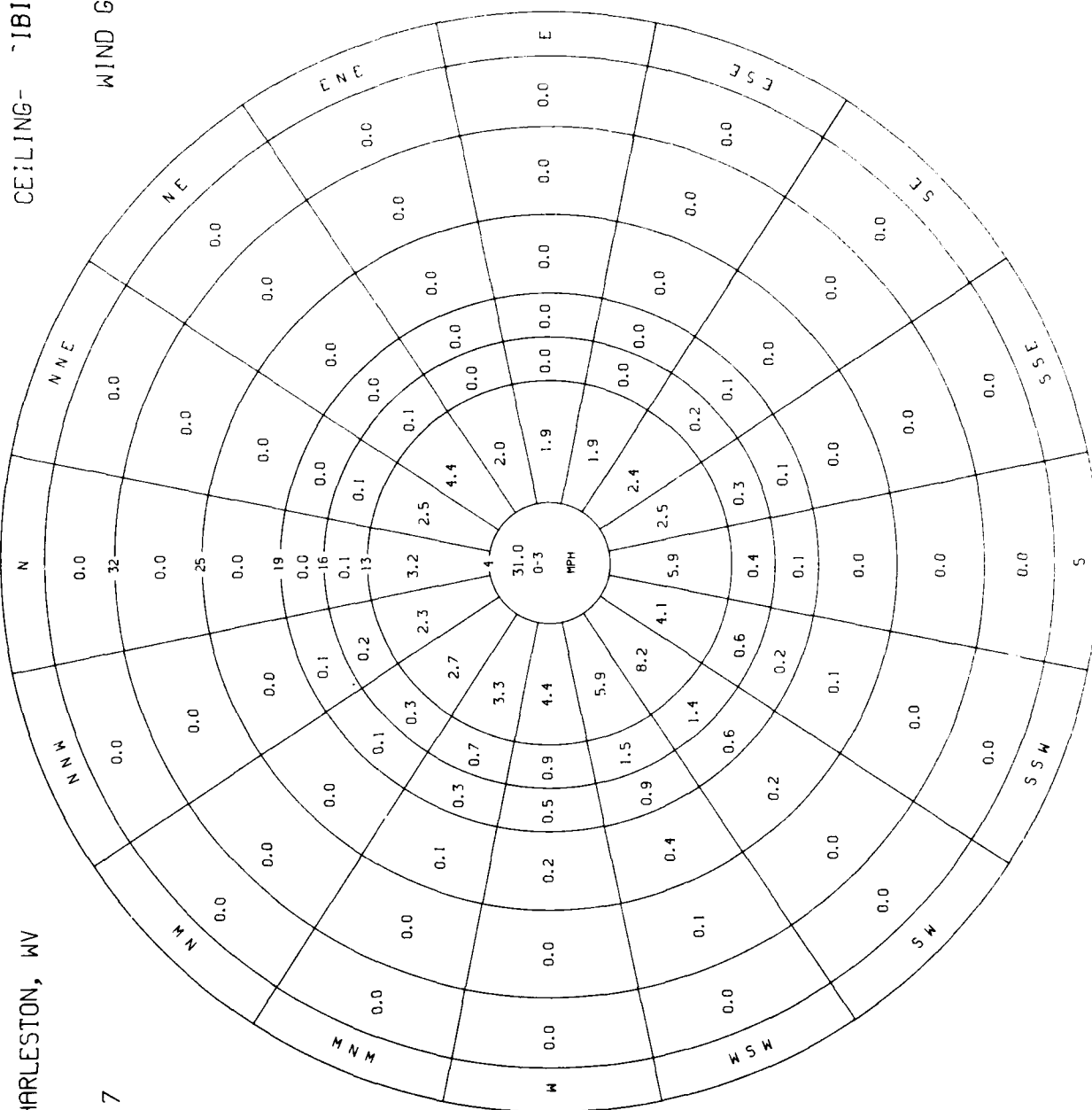
STATION NUMBER: 13866

NO. OBS.: 1907

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	1.0	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	4.5
NNE	.1	1.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	3.9
NE	.3	5.3	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.1	3.8
ENE	.2	3.1	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.6	3.7
E	.2	4.4	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.4	3.7
ESE	.1	2.5	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.6	3.5
SE	.1	2.6	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0	3.7
SSE	.1	1.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	3.8
S	.1	2.4	.1	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.3	4.4
SSW	.1	1.3	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	4.0
SW	.1	1.3	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	2.6	5.1
WSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.9
W	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0
WNW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.7	5.8
NW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8
NNW	.0	.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	4.3
CALM	2.6	52.6													2.6	52.6	
TOTAL	4.0	80.8	.9	19.1	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	4.9	100	1.9

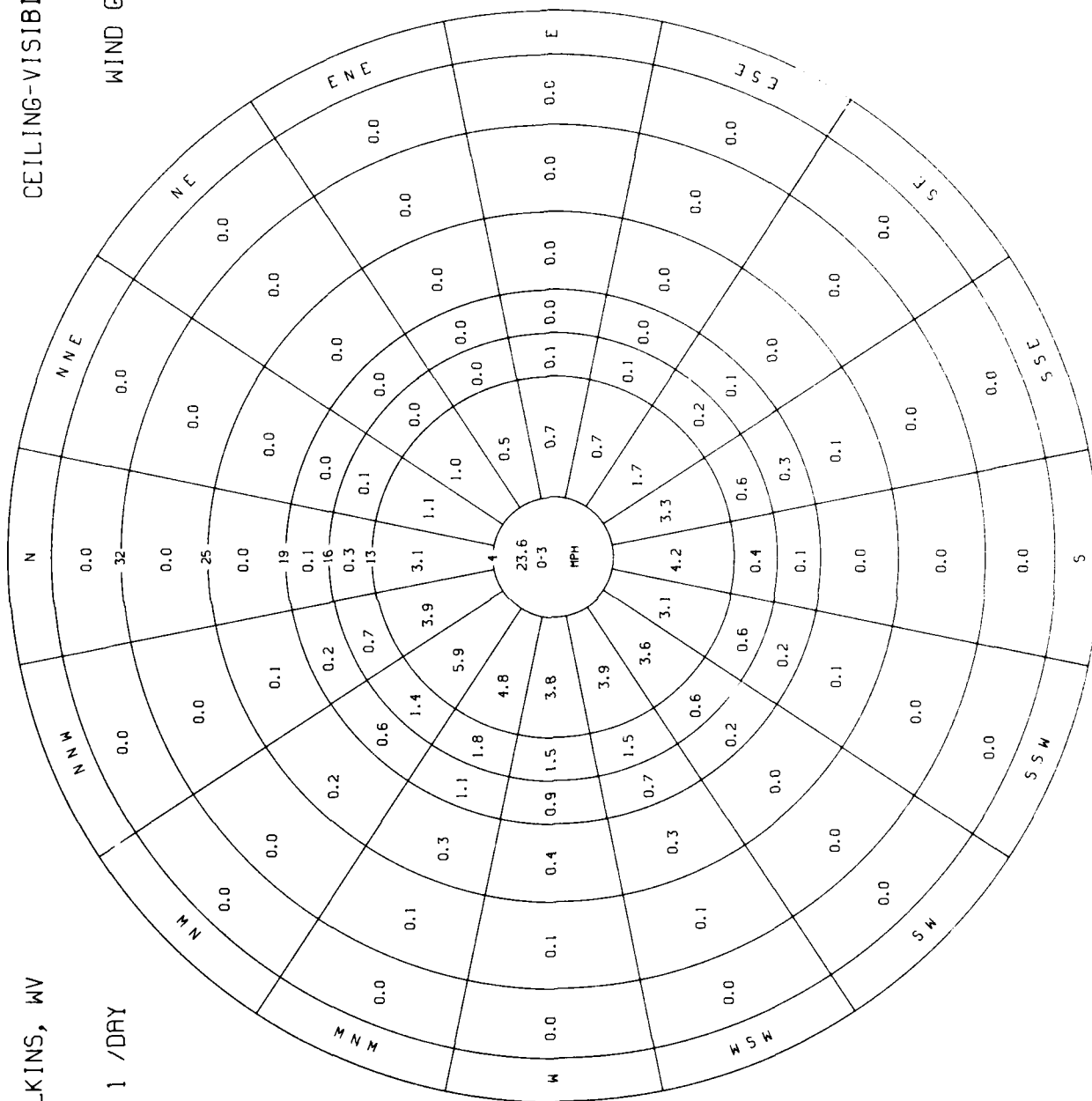
CEILING-IBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 1 / DAY

STATION NUMBER: 13729

NO. OBS.: 26948

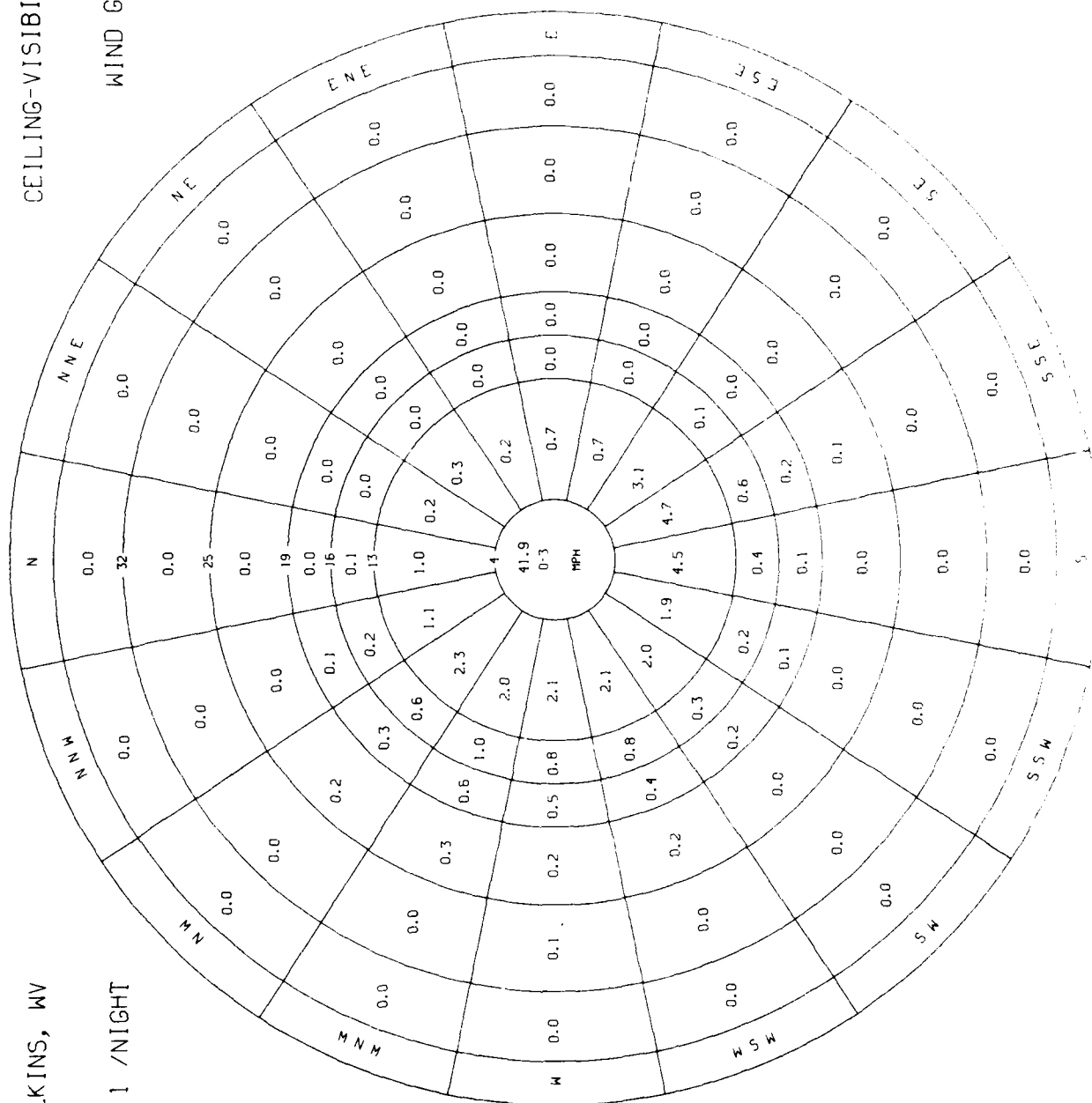
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL					
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D				
N	.8	.9	3.1	3.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.3	5.0	7.1			
NNE	.5	.6	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0	5.0			
NE	.7	.8	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0	5.1			
ENE	.3	.4	.5	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	4.5			
E	.4	.5	.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	5.1			
ESE	.4	.5	.7	.8	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.3	1.5	5.5			
SE	.7	.8	1.7	2.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.2	7.9			
SSE	.7	.8	3.3	3.8	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.0	5.8	9.6			
S	.9	1.0	4.2	4.9	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	5.7	6.7	11.5			
SSW	.6	.7	3.1	3.5	.6	.7	.2	.2	.1	.1	.0	.0	.0	.0	4.5	5.3	8.2			
SW	1.0	1.2	3.6	4.3	.6	.8	.2	.3	.0	.1	.0	.0	.0	.0	5.6	6.5	11.7			
WSW	.8	.9	3.9	4.6	1.5	1.7	.7	.8	.3	.3	.1	.1	.0	.0	7.2	8.4	10.3			
W	.9	1.0	3.8	4.5	1.5	1.7	.9	1.1	.4	.4	.1	.1	.0	.0	7.5	8.8	10.6			
WNW	.8	.9	4.8	5.7	1.8	2.1	1.1	1.2	.3	.4	.1	.1	.0	.0	8.8	10.3	10.6			
NW	1.0	1.2	5.9	6.9	1.4	1.6	.6	.7	.2	.3	.0	.0	.0	.0	9.1	10.7	9.1			
NNW	.6	.7	3.9	4.6	.7	.8	.2	.3	.1	.1	.0	.0	.0	.0	5.5	6.4	8.7			
CALM	12.6	14.7													12.6	14.7				
TOTAL	23.6	27.7	45.3	53.1	9.9	11.6	4.6	5.4	1.6	1.9	.3	.3	.0	.1	85.2	100	7.4			

CEILING-VISIBILITY

WIND GRAPH

EKN ELKINS, WV

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 1 / NIGHT

STATION NUMBER: 13729

NO. OBS.: 21267

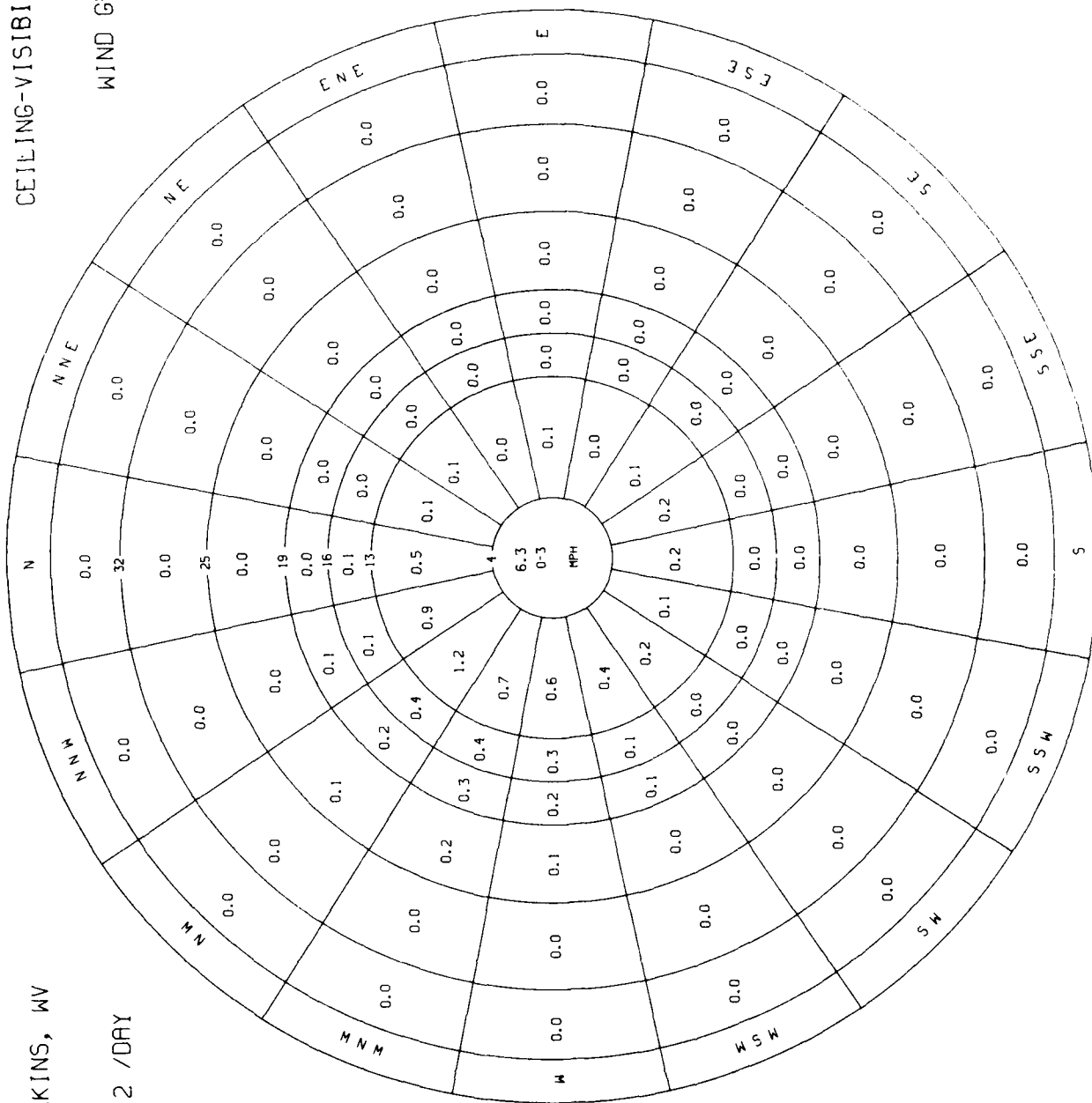
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.4	.5	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.8
NNE	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
NE	.4	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9
ENE	.3	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
E	.9	1.2	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.0
ESE	1.0	1.3	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.2
SE	2.0	2.6	3.1	3.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.6
SSE	1.4	1.7	4.7	5.9	.6	.7	.2	.3	.1	.1	.0	.0	.0	.0	7.0	8.7
S	1.3	1.7	4.5	5.6	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	6.4	8.0
SSW	.7	.8	1.9	2.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.6
SW	1.0	1.2	2.0	2.5	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	3.5	4.4
WSW	.6	.7	2.1	2.6	.8	1.0	.4	.5	.2	.2	.0	.1	.0	.0	4.0	5.1
W	.9	1.1	2.1	2.7	.8	1.0	.5	.7	.2	.3	.1	.1	.0	.0	4.7	5.9
WNW	.6	.7	2.0	2.5	1.0	1.2	.6	.8	.3	.3	.0	.1	.0	.0	4.5	5.6
NW	.8	1.0	2.3	2.9	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	4.2	5.3
NNW	.3	.4	1.1	1.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.1
CALM	29.1	36.6													29.1	36.6
TOTAL	41.9	52.6	28.8	36.1	5.1	6.4	2.6	3.3	1.0	1.3	.2	.3	.0	.0	79.7	100
																4.8

CEILING-VISIBILITY

WIND GRAPH

EKN ELKINS, WV

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 2 / DAY

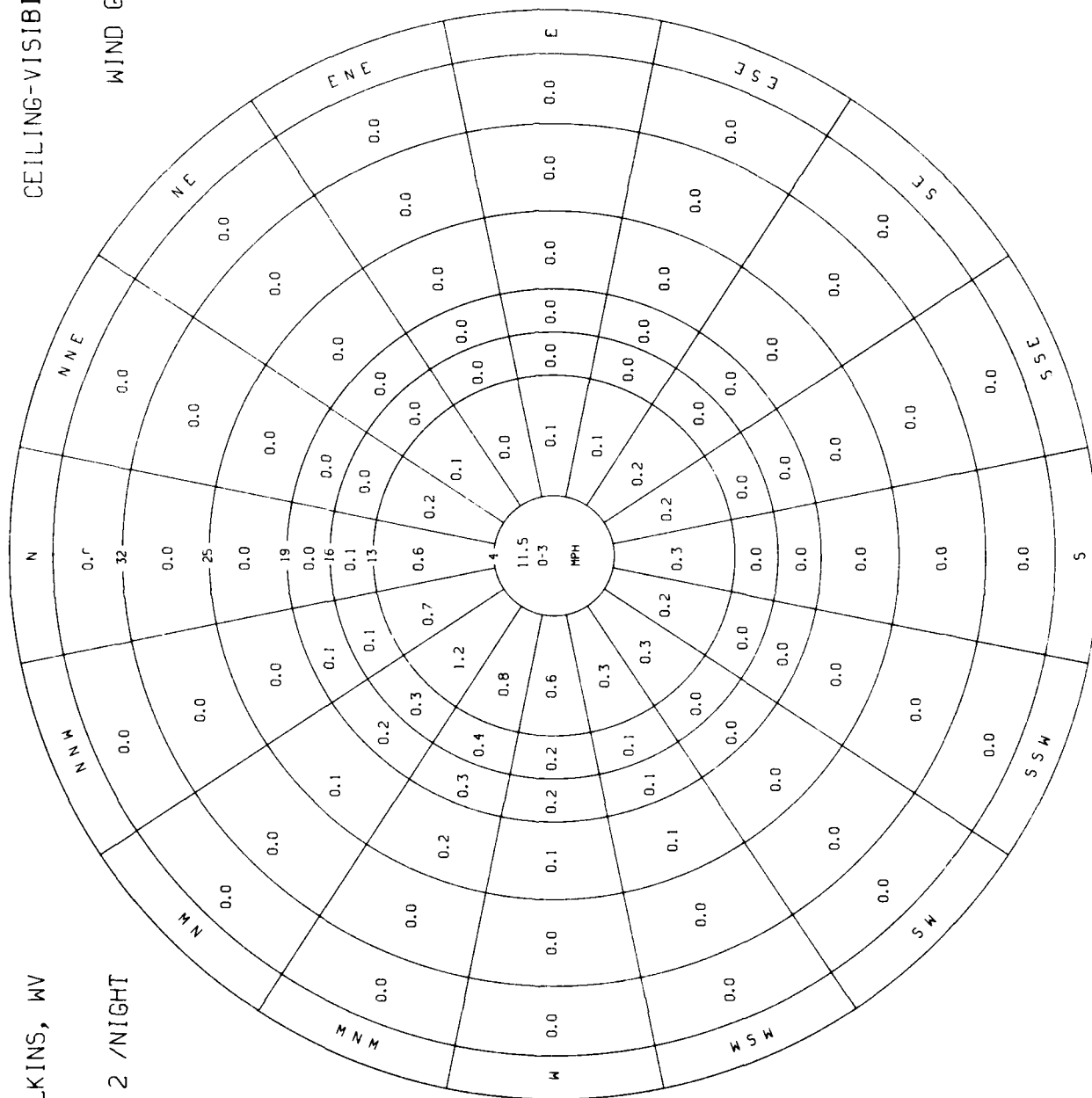
STATION NUMBER: 13729

NO. OBS.: 4670

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.5	3.5	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.6
NNE	.1	.4	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
NE	.1	.7	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5
ENE	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .8
E	.2	1.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
ESE	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
SE	.2	1.3	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.3
SSE	.1	.9	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.4
S	.2	1.1	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
SSW	.1	.7	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.7
SW	.2	1.5	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.5
WSW	.1	.8	.4	2.4	.1	1.0	.1	.5	.0	.3	.0	.0	.0	.0	.7 5.0
W	.2	1.1	.6	4.0	.3	1.7	.2	1.3	.1	.6	.0	.2	.0	.0	1.3 8.9
WNW	.1	.9	.7	4.7	.4	2.6	.3	2.2	.2	1.3	.0	.2	.0	.0	1.8 12.0
NW	.2	1.7	1.2	8.2	.4	2.5	.2	1.7	.1	.5	.0	.1	.0	.0	2.2 14.6
NNW	.1	.9	.9	5.9	.1	.9	.1	.5	.0	.1	.0	.0	.0	.0	1.2 8.2
CALM	4.1	27.7													4.1 27.7
TOTAL	6.3	42.5	5.6	37.8	1.4	9.6	1.0	6.6	.4	3.0	.1	.5	.0	.0	14.8 100
															6.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 2 / NIGHT

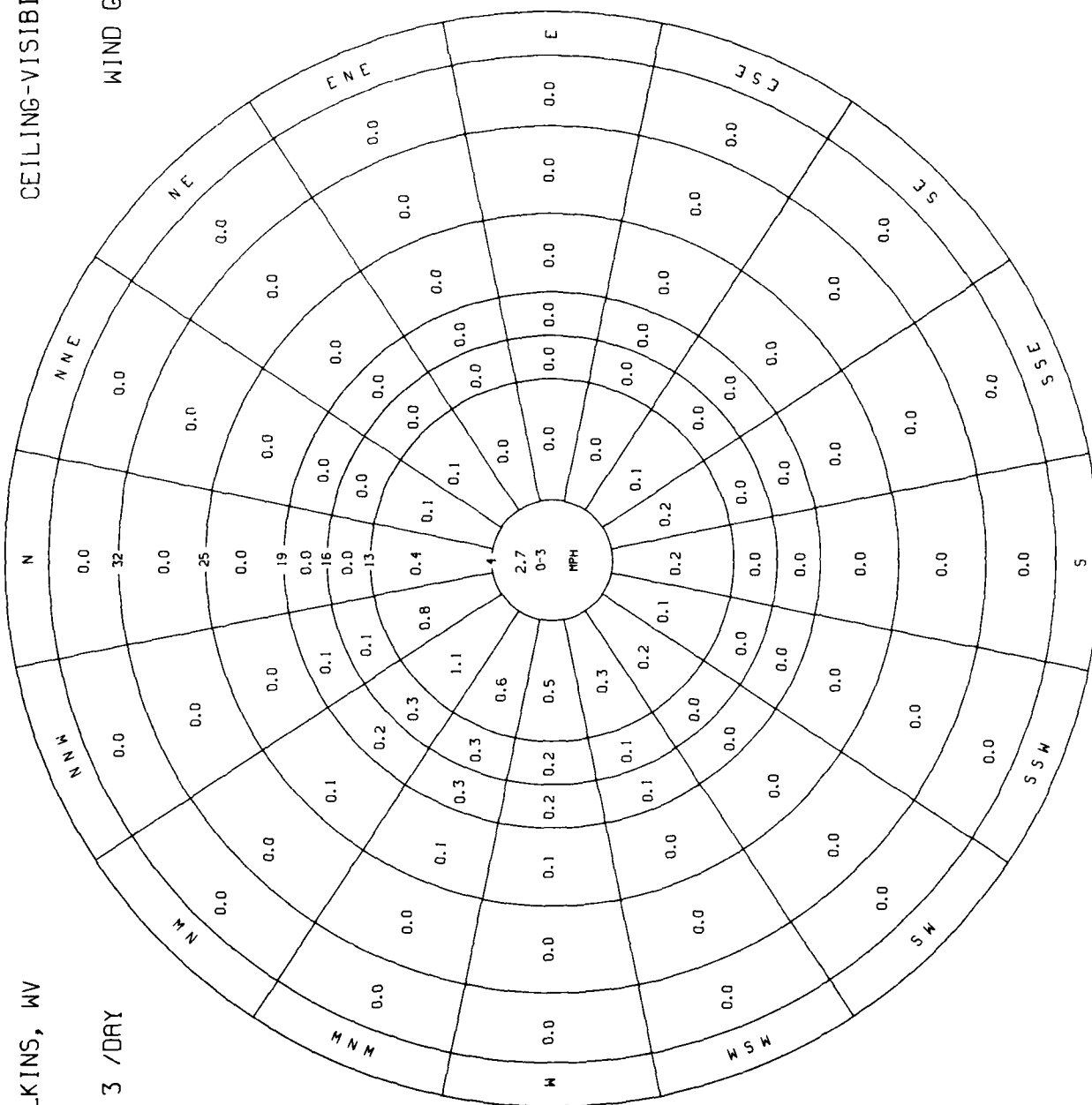
STATION NUMBER: 13729

NO. OBS.: 5431

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.6	2.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.1
NNE	.1	.5	.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.3
NE	.2	.8	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
ENE	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .6
E	.3	1.6	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5 2.2
ESE	.2	1.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
SE	.6	3.1	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 4.2
SSE	.3	1.3	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 2.6
S	.3	1.4	.3	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 2.8
SSW	.1	.6	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.6
SW	.3	1.2	.3	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 2.8
WSW	.2	.8	.3	1.5	.1	.7	.1	.4	.1	.3	.0	.0	.0	.0	.7 3.7
W	.3	1.3	.6	2.8	.2	1.2	.2	.9	.1	.4	.0	.1	.0	.0	1.3 6.6
WNW	.2	.8	.8	3.9	.4	2.2	.3	1.6	.2	.9	.0	.2	.0	.0	2.0 9.7
NW	.3	1.4	1.2	5.9	.3	1.6	.2	1.1	.1	.6	.0	.1	.0	.0	2.2 10.7
NNW	.2	.8	.7	3.4	.1	.7	.1	.3	.0	.1	.0	.0	.0	.0	1.1 5.4
CALM	7.9	38.7													7.9 38.7
TOTAL	11.5	56.5	5.9	29.0	1.5	7.2	.9	4.5	.5	2.4	.1	.4	.0	.0	20.3 100
															4.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 3 / DAY

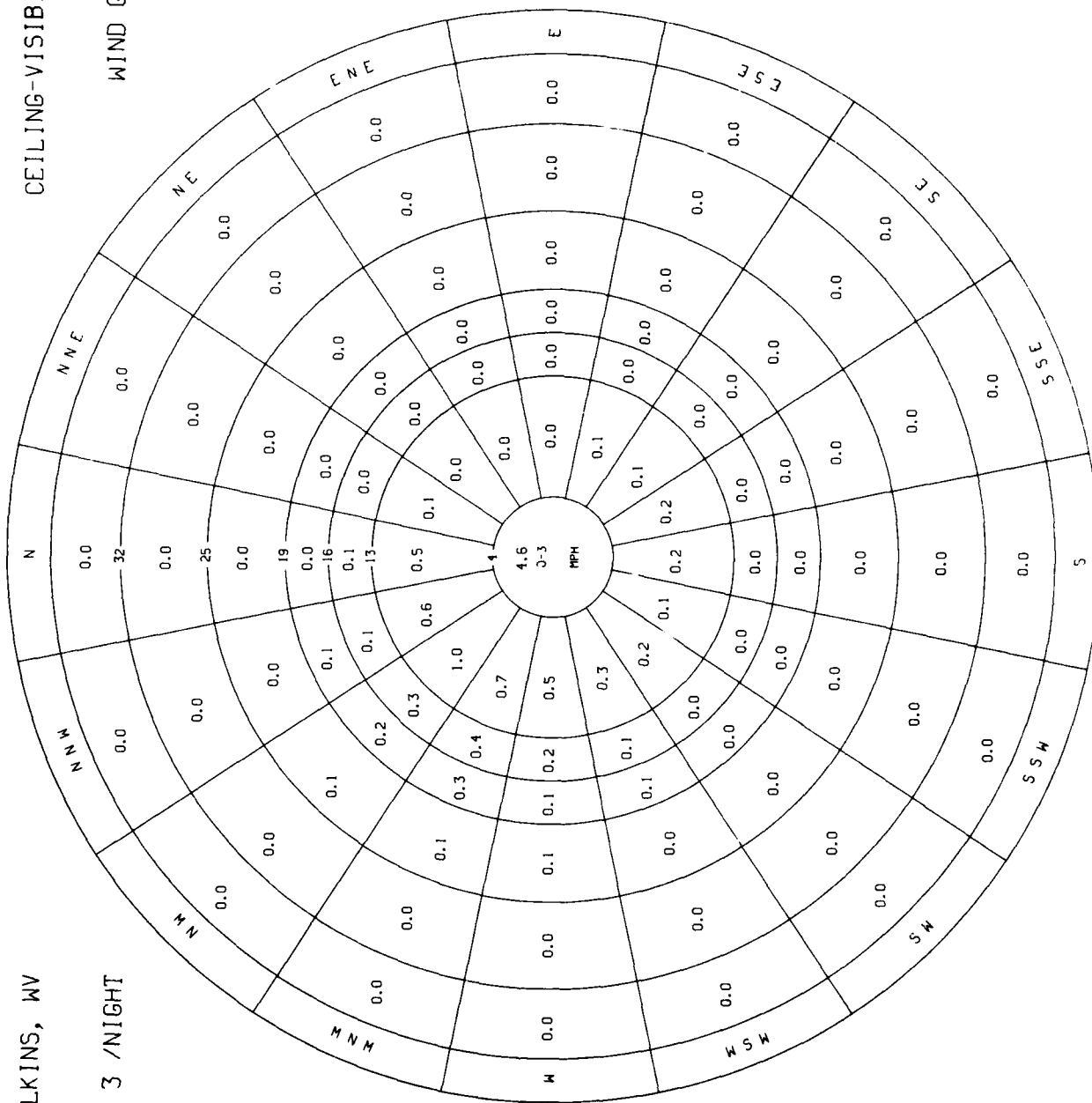
STATION NUMBER: 13729

NO. OBS.: 3103

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.7	.4	4.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	5.5	7.8
NNE	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.1
NE	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	4.8
ENE	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	3.4
E	.1	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.2
ESE	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	3.8
SE	.1	.7	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	4.8
SSE	.1	.5	.2	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.3	6.7
S	.1	.9	.2	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	6.0
SSW	.0	.4	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.6	7.0
SW	.1	.6	.2	1.9	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3	3.1	7.8
WSW	.1	.7	.3	3.3	.1	1.2	.1	.7	.0	.3	.0	.0	.0	.0	.6	6.3	10.5
W	.1	.8	.5	5.5	.2	2.3	.2	1.7	.1	.6	.0	.2	.0	.0	1.1	11.1	11.7
WNW	.1	.9	.6	6.5	.3	3.5	.3	2.8	.1	1.5	.0	.3	.0	.0	1.5	15.5	12.5
NW	.2	1.5	1.1	10.8	.3	3.1	.2	2.2	.1	.6	.0	.0	.0	.0	1.8	18.4	10.2
NNW	.1	.9	.8	7.7	.1	1.1	.1	.6	.0	.2	.0	.0	.0	.0	1.0	10.5	8.8
CALM	1.6	16.1													1.6	16.2	
TOTAL	2.7	27.0	4.7	48.1	1.2	12.3	.8	8.6	.3	3.4	.1	.5	.0	.0	9.8	100	8.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 3 / NIGHT

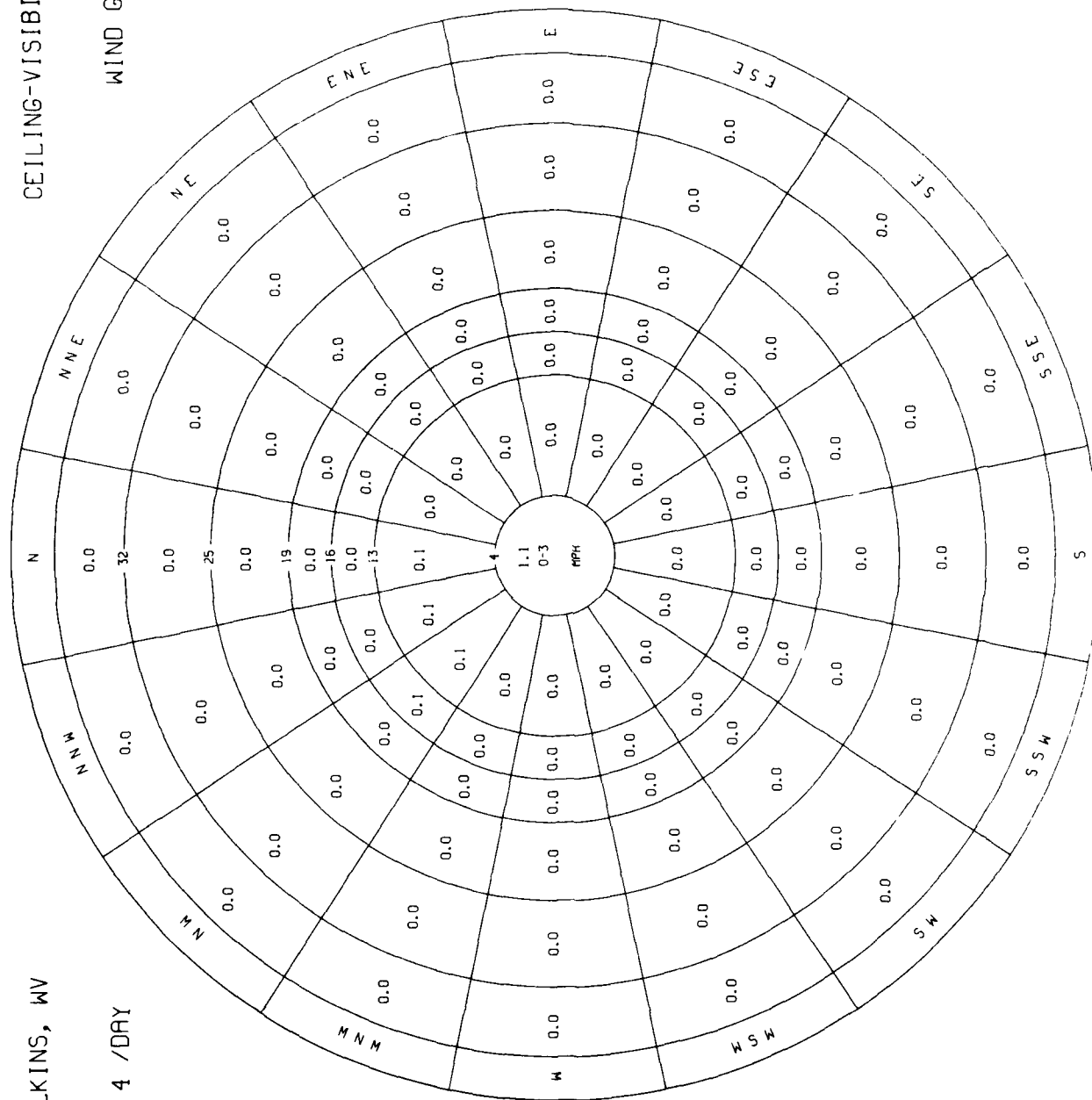
STATION NUMBER: 13729

NO. OBS.: 3141

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.5	4.1	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.5 7.5
NNE	.0	.4	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.4 6.0
NE	.1	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0 4.1
ENE	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .5 3.7
E	.1	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2 3.5
ESE	.1	.5	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2 4.2
SE	.2	2.0	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.2 3.6
SSE	.1	1.0	.2	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.7 5.8
S	.1	1.2	.2	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.9 5.5
SSW	.1	.4	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8 5.8
SW	.1	.9	.2	1.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.9 6.6
WSW	.1	.5	.3	2.3	.1	1.1	.1	.5	.0	.3	.0	.0	.0	.0	.6 4.9 10.7
W	.2	1.3	.5	4.6	.2	1.9	.1	1.2	.1	.6	.0	.1	.0	.0	1.1 9.7 10.6
WNW	.1	.8	.7	6.2	.4	3.3	.3	2.4	.1	1.1	.0	.3	.0	.0	1.6 14.0 12.3
NW	.2	1.8	1.0	8.2	.3	2.5	.2	1.5	.1	.9	.0	.1	.0	.0	1.8 14.9 10.1
NNW	.1	.7	.6	5.0	.1	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.9 7.4 9.0
CALM	2.9	24.8													2.9 24.8
TOTAL	4.6	38.9	4.7	40.0	1.3	11.2	.7	6.3	.4	3.2	.1	.4	.0	.0	11.8 100 6.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 4 / DAY

STATION NUMBER: 13729

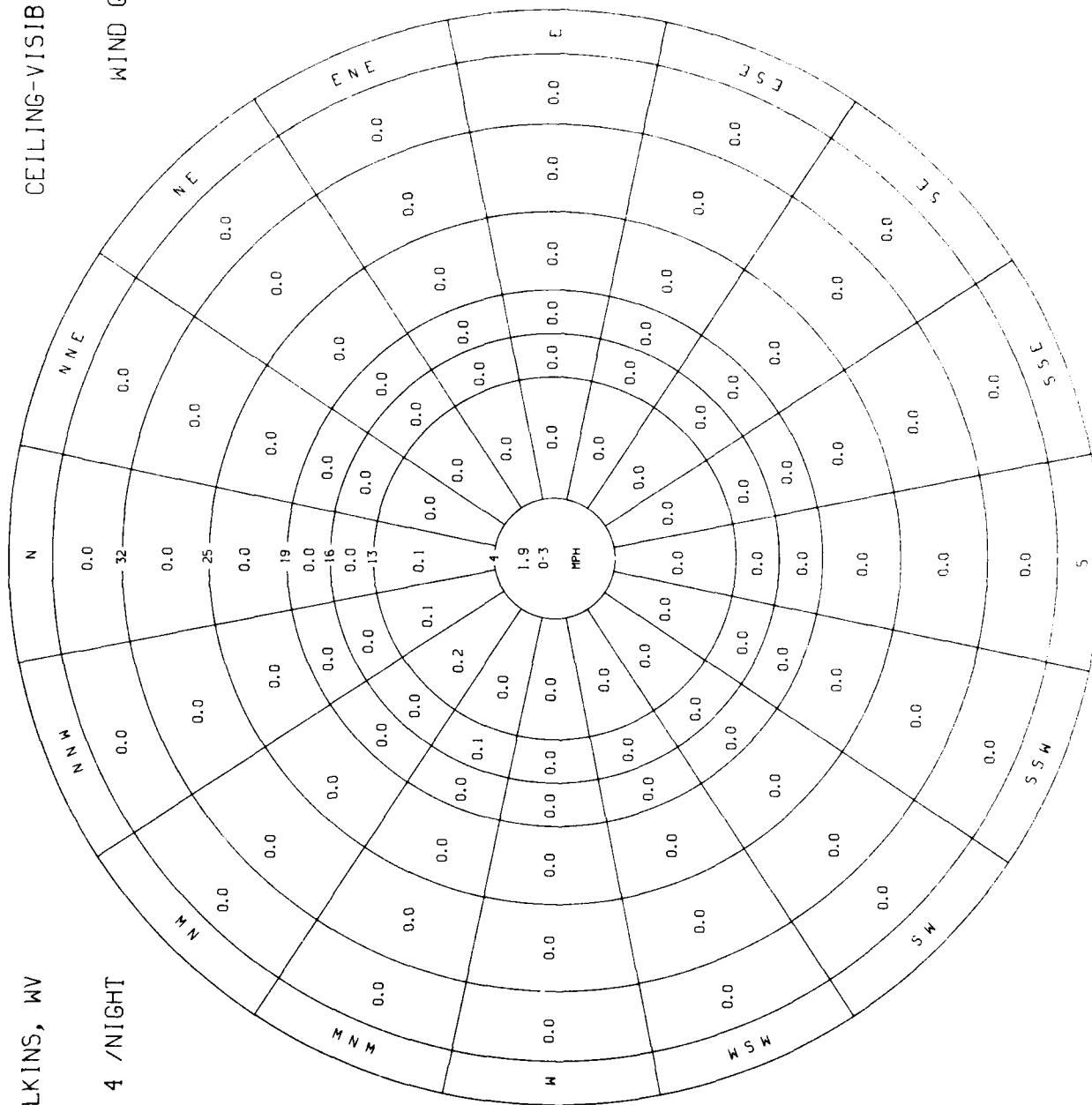
NO. OBS.: 662

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	.6	.1	3.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0
NNE	.0	.8	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
NE	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
ENE	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
E	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
ESE	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SE	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
SSE	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
S	.0	.8	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.1
SSW	.0	.8	.0	.5	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.5
SW	.1	2.6	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9
WSW	.0	.8	.0	1.2	.0	1.1	.0	.3	.0	.6	.0	.2	.0	.0	.1	4.1
W	.0	1.5	.0	2.3	.0	1.2	.0	1.2	.0	1.2	.0	.2	.0	.0	.2	7.6
WNW	.0	1.5	.0	2.1	.0	1.7	.0	2.3	.0	1.7	.0	.3	.0	.0	.2	9.5
NW	.0	2.0	.1	5.7	.1	2.9	.0	1.2	.0	.6	.0	.2	.0	.0	.3	12.5
NNW	.0	1.2	.1	4.7	.0	.9	.0	.3	.0	.3	.0	.0	.0	.0	.2	7.4
CALM	.8	36.7													.8	36.7
TOTAL	1.1	53.9	.6	26.4	.2	8.9	.1	5.4	.1	4.5	.0	.8	.0	.0	2.1	100
																5.7

EKN ELKINS, WV

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 4 / NIGHT

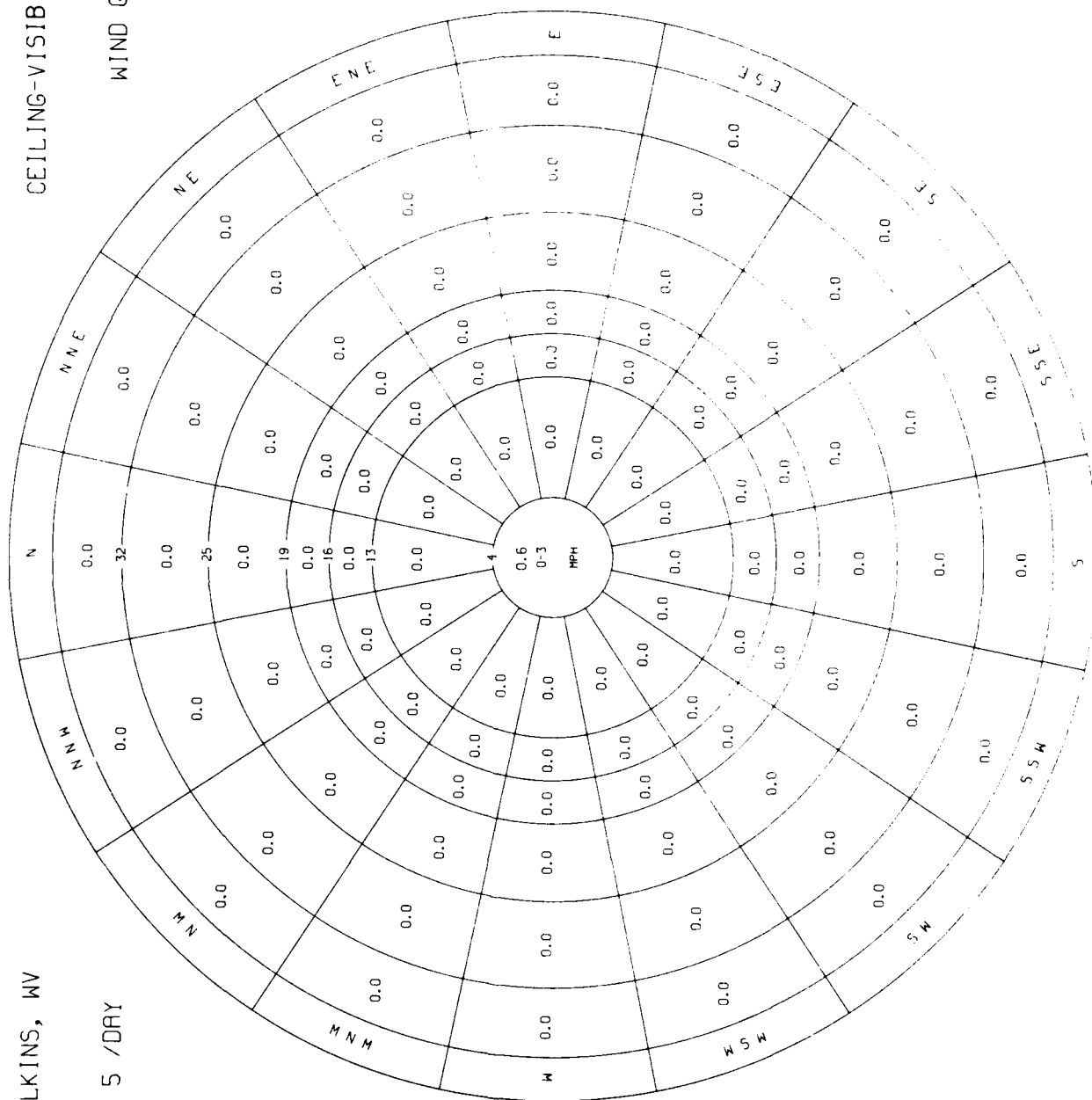
STATION NUMBER: 13729

NO. OBS.: 767

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.1	2.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 4.4
NNE	.0	1.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.6
NE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ENE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
E	.0	.8	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
ESE	.0	1.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
SE	.1	3.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
SSE	.0	1.4	.0	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.3
S	.0	.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SSW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
SW	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.9
WSW	.0	1.3	.0	.9	.0	.3	.0	.4	.0	.5	.0	.1	.0	.0	.1 3.5
W	.0	.9	.0	.4	.0	.5	.0	1.0	.0	.3	.0	.1	.0	.0	.1 3.3
WNW	.0	1.4	.0	1.6	.1	1.8	.0	1.6	.0	1.7	.0	.4	.0	.0	.2 8.5
NW	.0	1.2	.2	6.3	.0	1.2	.0	1.3	.0	.4	.0	.3	.0	.1	.3 10.7
NNW	.0	1.7	.1	2.2	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.1 4.8
CALM	1.3	45.4													1.3 45.4
TOTAL	1.9	64.7	.6	21.6	.1	4.6	.1	6.1	.1	3.0	.0	.9	.0	.1	2.9 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 5 / DAY

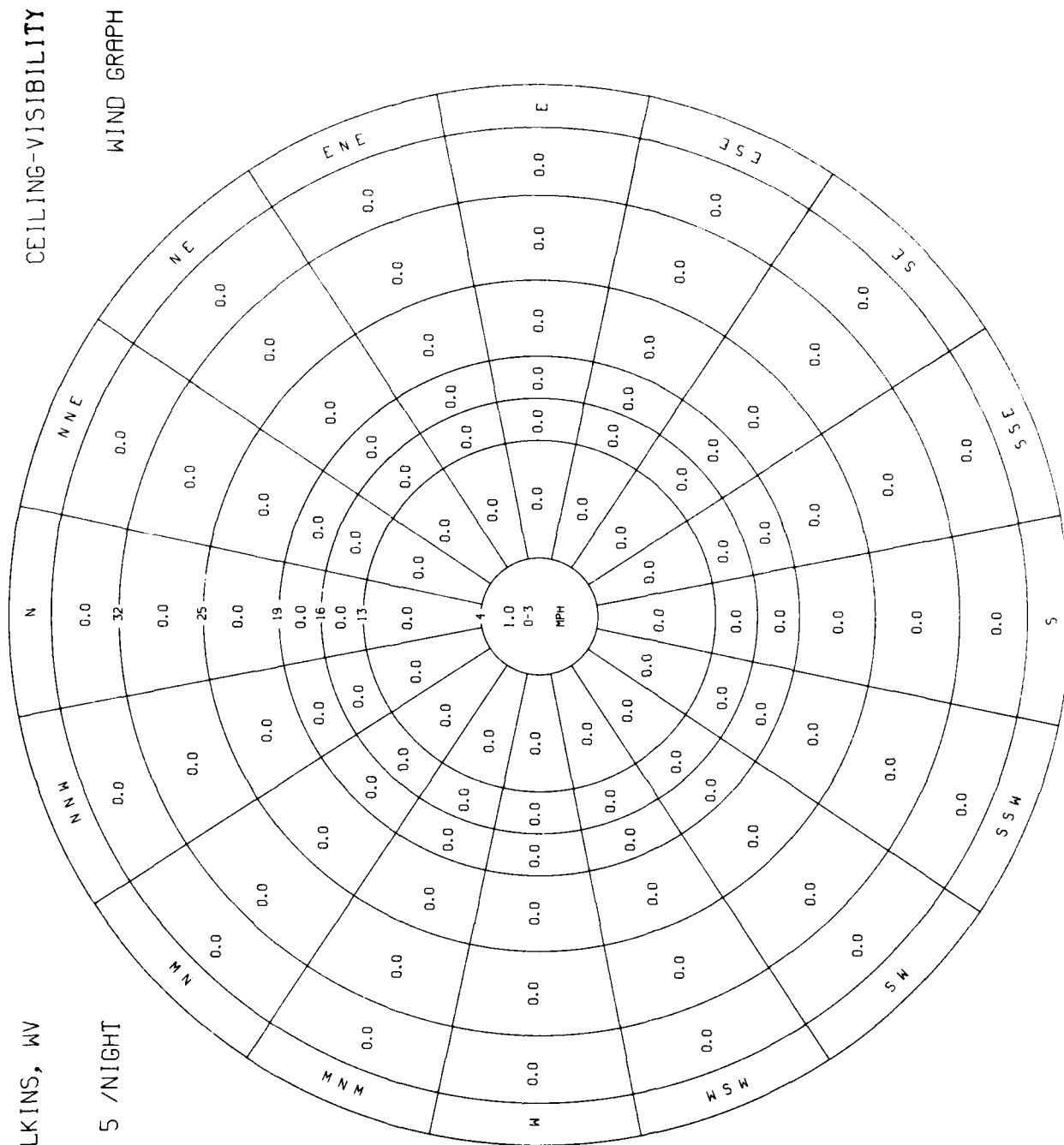
STATION NUMBER: 13729

NO. OBS.: 253

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.8	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.8
NNE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
NE	.0	1.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.2
ENE	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0
E	.0	2.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.1
ESE	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.6
SE	.0	2.4	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5
SSE	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.1
S	.0	2.4	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.7
SSW	.0	2.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.5
SW	.0	4.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	3.3
WSW	.0	1.2	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.0	8.1
W	.0	4.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.3
WNW	.0	.4	.0	.4	.0	1.2	.0	.4	.0	.8	.0	.4	.0	.4	.0	4.0	17.1
NW	.0	2.4	.0	2.4	.0	.0	.0	.8	.0	.4	.0	.4	.0	.0	.1	6.3	8.6
NNW	.0	.4	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.8
CALM	.4	45.8													.4	45.8	
TOTAL	.6	74.7	.2	19.4	.0	2.0	.0	1.2	.0	1.6	.0	.8	.0	.4	.8	100	30

EKN ELKINS, WV

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 5 / NIGHT

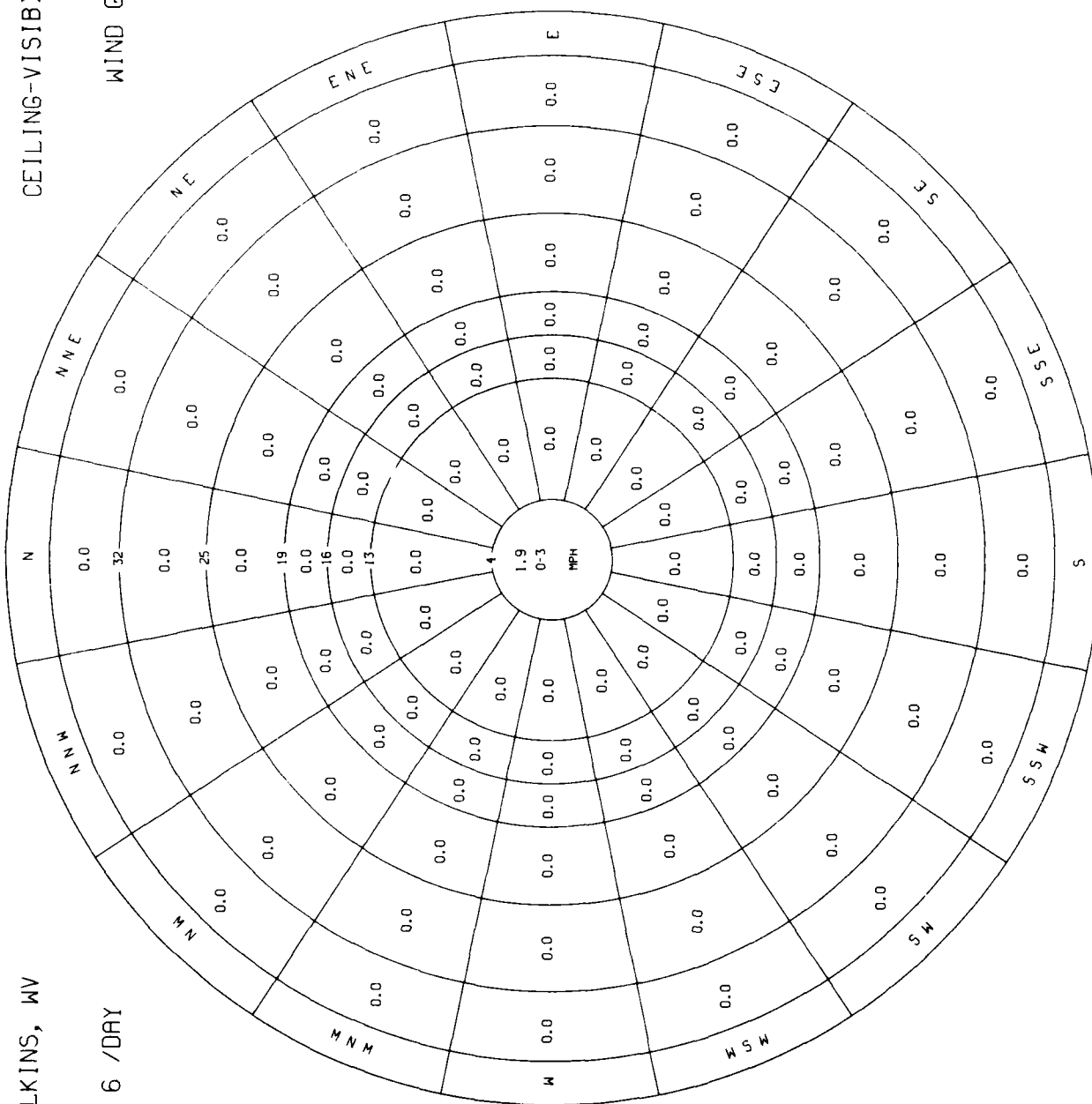
STATION NUMBER: 13729

NO. OBS.: 350

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.0
NNE	.0	.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
NE	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
ENE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
E	.0	2.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
ESE	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
SE	.1	4.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3
SSE	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
S	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
SSW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SW	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
WSW	.0	1.7	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	2.3
W	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	2.9
WNW	.0	1.4	.0	.9	.0	.3	.0	.0	.0	.6	.0	.3	.0	.0	3.4
NW	.0	.9	.0	2.6	.0	.0	.0	.6	.0	.6	.0	.3	.0	.0	4.9
NNW	.0	.3	.0	2.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.1
CALM	.8	58.0													58.0
TOTAL	1.0	78.6	.2	17.1	.0	.9	.0	1.1	.0	1.4	.0	.9	.0	.0	1.3
															100
															2.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 6 / DAY

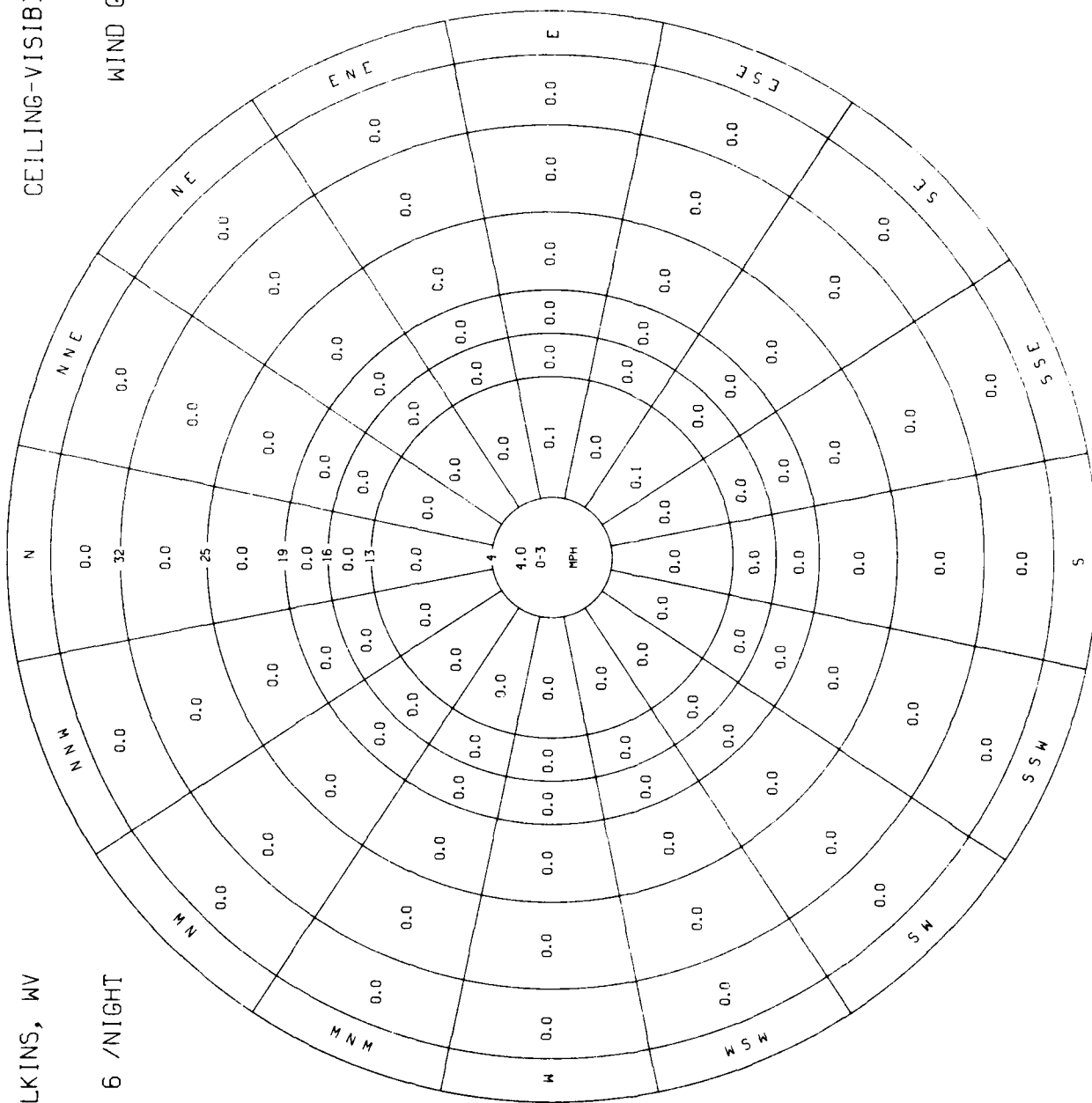
STATION NUMBER: 13729

NO. OBS.: 652

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.8
NNE	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
NE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.7
ENE	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.5
E	.1	3.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	2.5
ESE	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	3.0
SE	.1	3.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	3.3
SSE	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	3.7
S	.0	2.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	2.9
SSW	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.3
SW	.1	3.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	2.8
WSW	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.5
W	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.4
WNW	.0	.5	.0	.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.9	9.0
NW	.0	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.9
NNW	.0	.3	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	6.3
CALM	1.4	66.4													1.4	66.4	
TOTAL	1.9	92.2	.2	7.4	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	2.1	100	1.0

CEILING-VISIBILITY

WIND GRAPH



EKN ELKINS, WV

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 6 / NIGHT

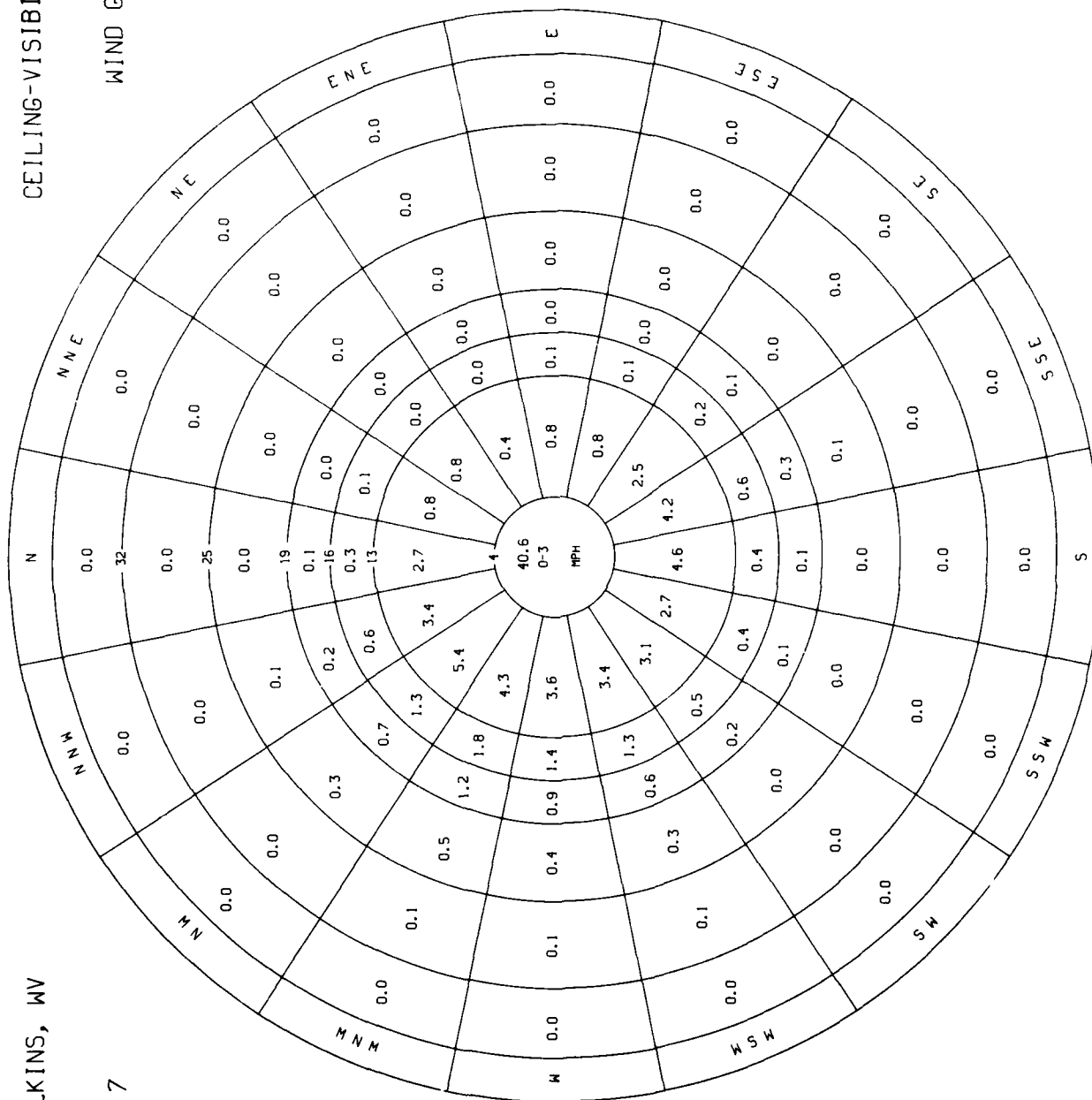
STATION NUMBER: 13729

NO. OBS.: 1173

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
NNE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
NE	.1	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4
ENE	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
E	.2	3.9	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.4
ESE	.1	2.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.6
SE	.2	5.5	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.0
SSE	.1	2.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6
S	.1	2.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2
SSW	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4
SW	.1	2.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6
WSW	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.1	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4
WNW	.0	.5	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.7
NW	.0	.9	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	1.3
NNW	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
CALM	2.9	66.0												2.9	66.0
TOTAL	4.0	91.6	.4	8.1	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	1.0

CEILING-VISIBILITY

WIND GRAPH

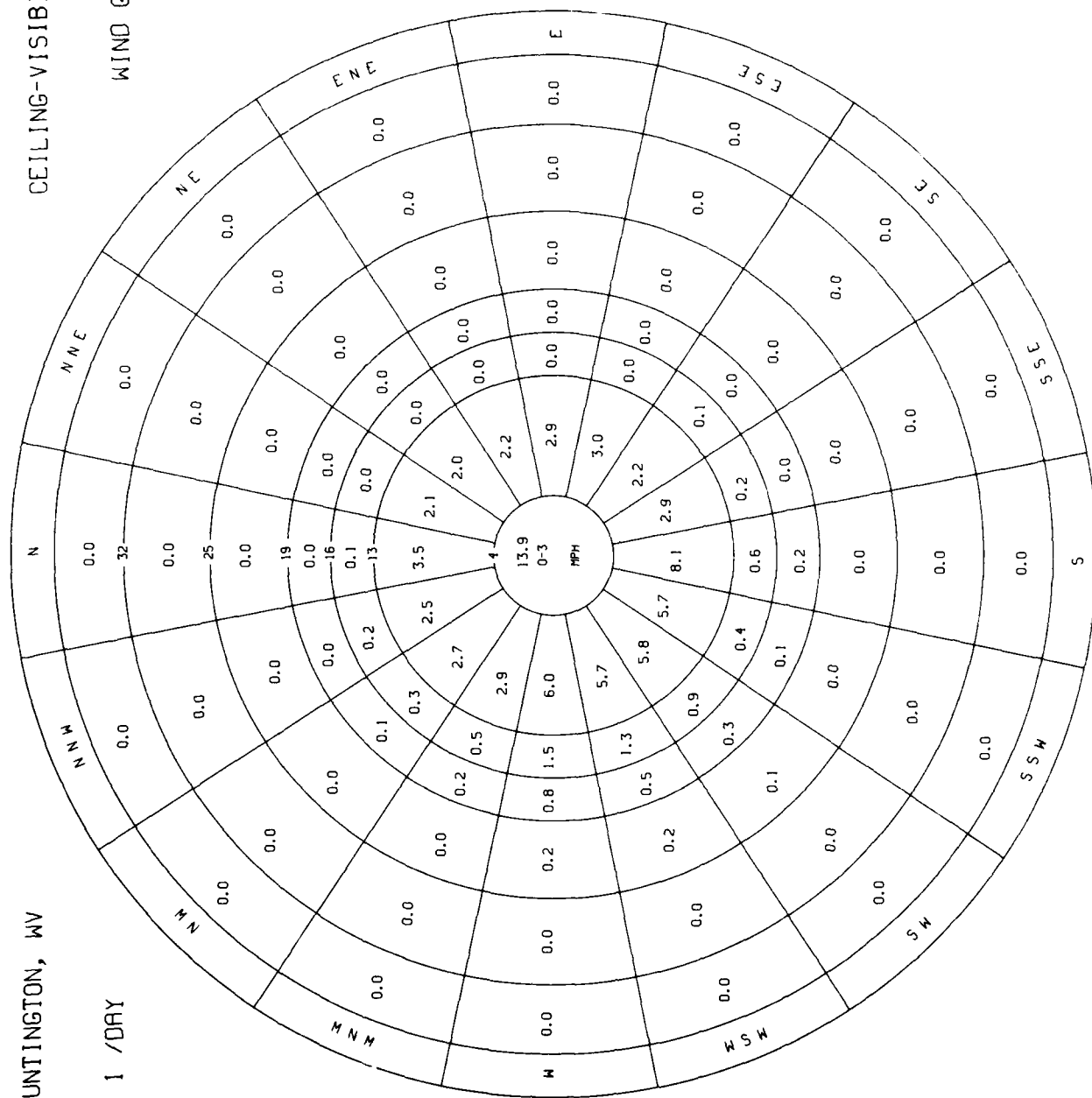


HTS HUNTINGTON, WV

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 1 / DAY

STATION NUMBER: 03860

NO. OBS.: 18880

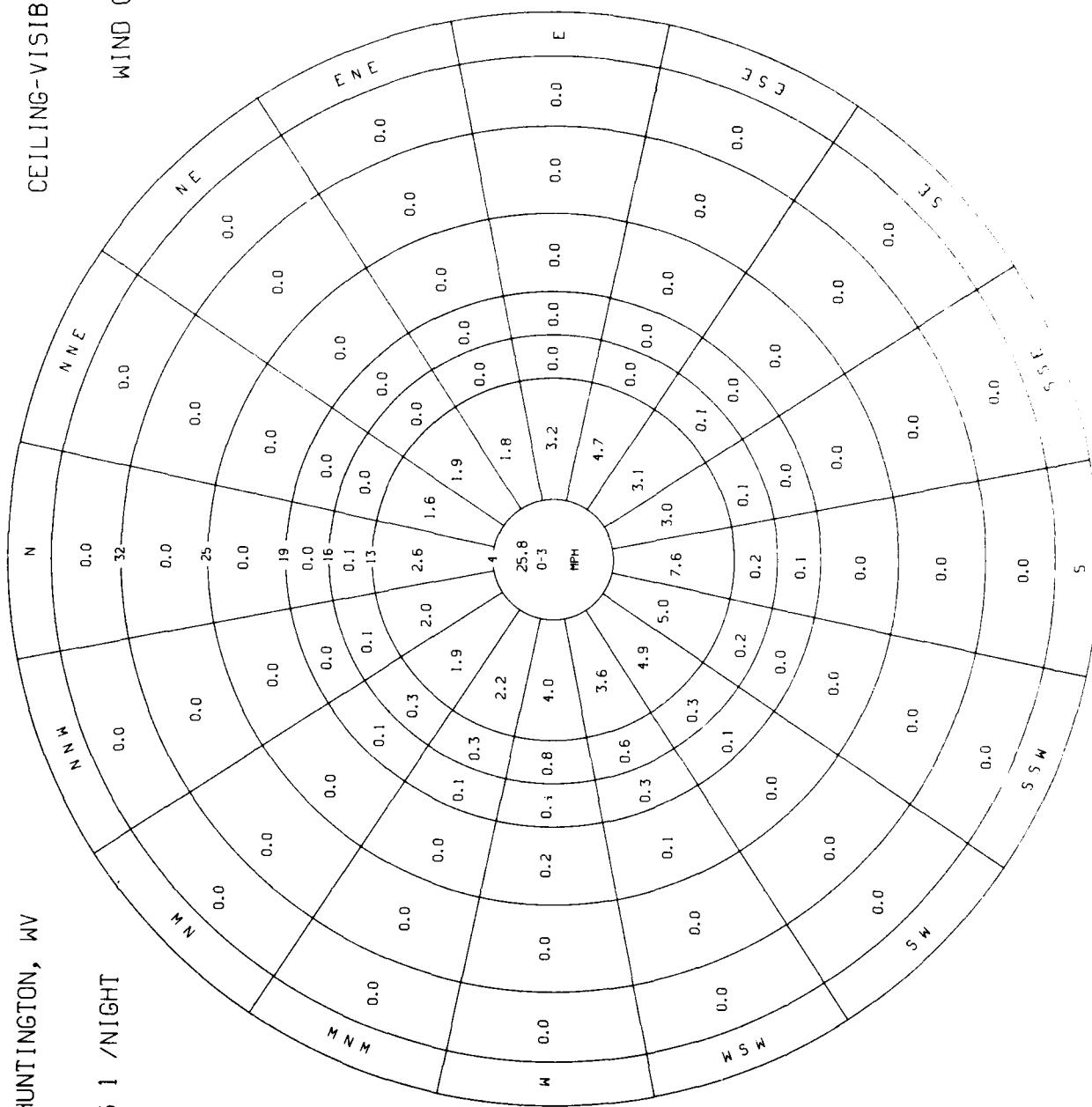
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.1	1.3	3.5	4.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.7	6.1
NNE	.6	.7	2.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.3	5.9
NE	.8	.9	2.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.3	5.6
ENE	.7	.9	2.2	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.5	5.7
E	.9	1.1	2.9	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.6	5.6
ESE	1.0	1.2	3.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.9	5.6
SE	.7	.8	2.2	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.6	6.4
SSE	.5	.6	2.9	3.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.3	6.8
S	1.2	1.5	8.1	9.7	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	10.1	12.1	7.5
SSW	.8	.9	5.7	6.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	6.9	8.3	7.4
SW	.6	.7	5.8	7.0	.9	1.0	.3	.4	.1	.1	.0	.0	.0	.0	7.7	9.2	8.6
WSW	.5	.6	5.7	6.8	1.3	1.5	.5	.7	.2	.3	.0	.0	.0	.0	8.3	9.9	9.8
W	.4	.5	6.0	7.2	1.5	1.8	.8	.9	.2	.3	.0	.0	.0	.0	9.0	10.8	10.4
WNW	.4	.4	2.9	3.5	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	4.1	4.9	9.0
NW	.4	.4	2.7	3.2	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.5	4.2	8.2
NNW	.5	.6	2.5	3.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.3	3.9	7.3
CALM	2.9	3.5													2.9	3.5	
TOTAL	13.9	16.6	60.4	72.2	6.2	7.4	2.4	2.8	.7	.8	.1	.1	.0	.0	83.6	100	7.5

HTS HUNTINGTON, WV

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 1 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 15369

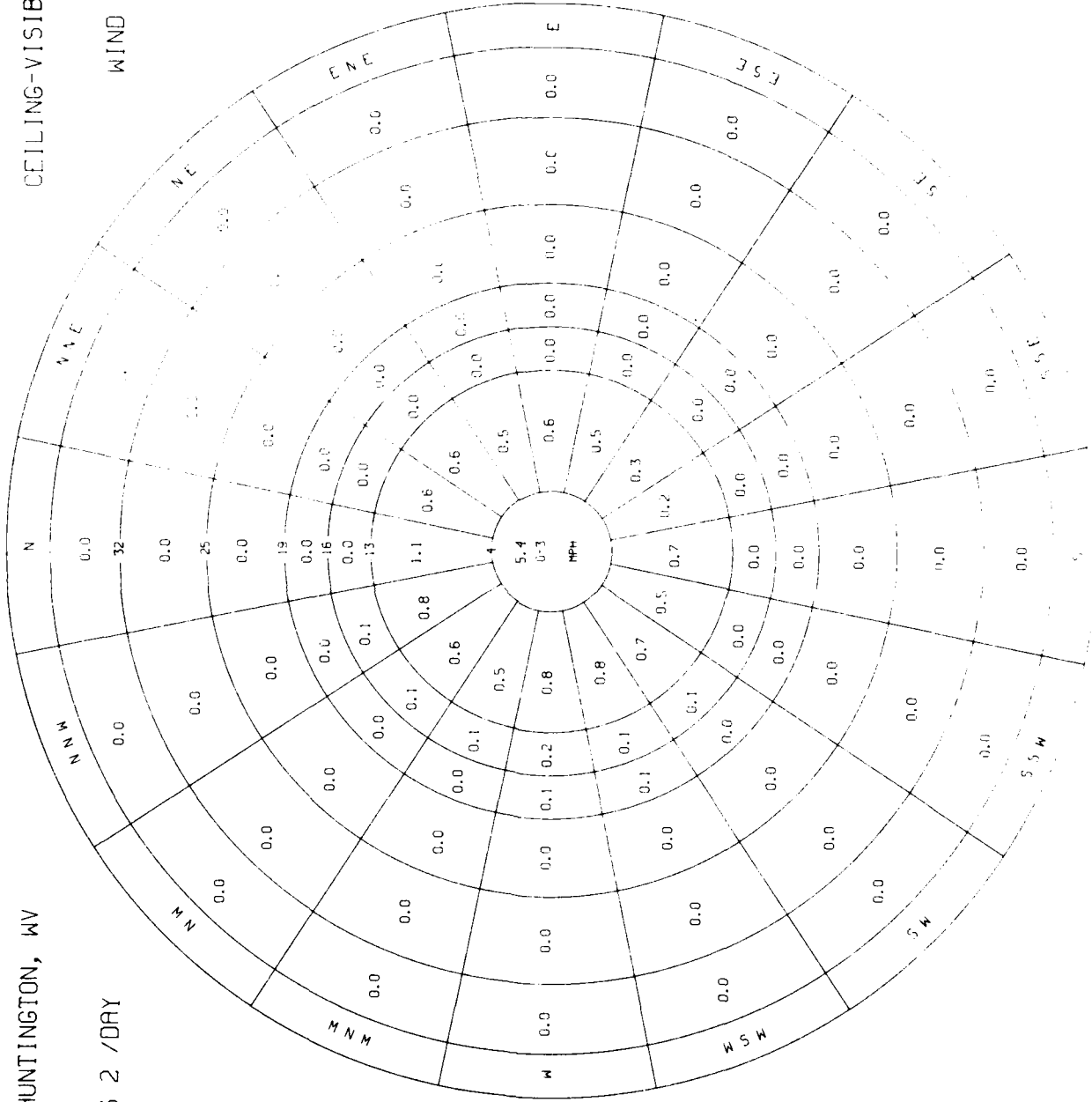
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.0	1.2	2.6	3.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.7 4.4
NNE	.7	.8	1.6	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.8
NE	.9	1.0	1.9	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8 3.4
ENE	.8	.9	1.8	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.1
E	1.8	2.1	3.2	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0 5.9
ESE	2.1	2.6	4.7	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9 8.2
SE	1.3	1.6	3.1	3.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.6 5.4
SSE	.7	.9	3.0	3.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8 4.6
S	1.5	1.8	7.6	9.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	9.5 11.3
SSW	1.2	1.4	5.0	5.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.3 7.5
SW	.9	1.0	4.9	5.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.2 7.3
WSW	.5	.6	3.6	4.3	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.2 6.1
W	.3	.4	4.0	4.8	.8	1.0	.4	.5	.2	.2	.0	.0	.0	.0	5.7 6.8
WNW	.3	.3	2.2	2.6	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.0 3.6
NW	.3	.4	1.9	2.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.1
NNW	.5	.5	2.0	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.1
CALM	11.1	13.3													11.1 13.3
TOTAL	25.8	30.8	53.3	63.5	3.2	3.8	1.2	1.4	.4	.4	.0	.0	.0	.0	83.9 100
															5.7

CEILING-VISIBILITY

WIND GRAPH

HTS HUNTINGTON, WV

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 2 / DAY

STATION NUMBER: 03960

NO. OBS.: 3699

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.4	2.7	1.1	6.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.7	1.2
NNE	.2	1.3	.6	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.3	1.2
NE	.2	.4	.6	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.1	1.2
ENE	.2	1.3	.5	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	4.1	1.2
E	.3	1.7	.6	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.4	1.2
ESE	.2	1.3	.5	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.2	1.2
SE	.2	1.5	.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	1.2
SSE	.1	.7	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.7	1.2
S	.3	1.7	.7	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.8	1.2
SSW	.1	.8	.5	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.8	1.2
SW	.2	1.0	.7	4.1	.1	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.9	5.5	1.2
WSW	.2	.9	.8	5.0	.1	.8	.1	.4	.0	.1	.0	.1	.0	.0	.0	1.2	7.3	1.2
W	.6	.6	.8	4.9	.2	1.1	.1	.4	.0	.3	.0	.1	.0	.0	.0	1.2	7.4	1.2
WNW	.6	.6	.5	3.1	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	4.6	1.2
NW	.2	1.1	.6	3.9	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.0	5.9	1.2
NNW	.2	.7	.8	4.9	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.6	1.2
CALM	.2	1.3	.9	6.6	.7	4.5	.0	.3	.1	.8	.0	.1	.0	.0	.0	2.1	13.0	1.2
TOTAL	5.4	22.9	9.9	60.6	2.7	14.5	1.0	1.3	1.1	8	.0	.1	.0	.0	.0	16.4	100	1.2

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/O 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)

JUN 81

DOT-FA79WAI-057

UNCLASSIFIED

5 15

0000000000

NL

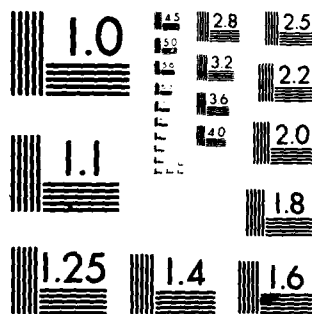
END

DATE

FILMED

APR 82

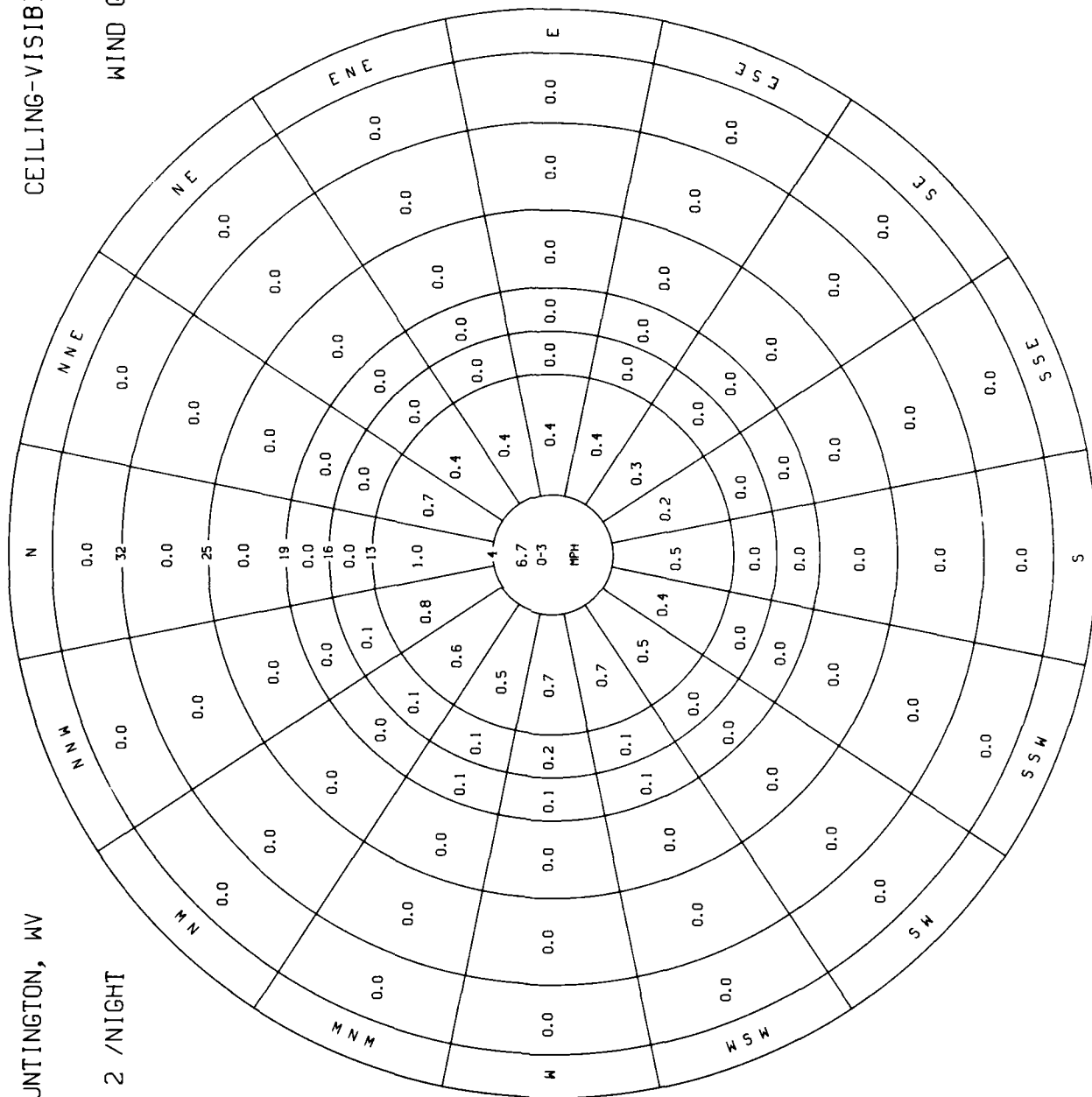
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 2 / NIGHT

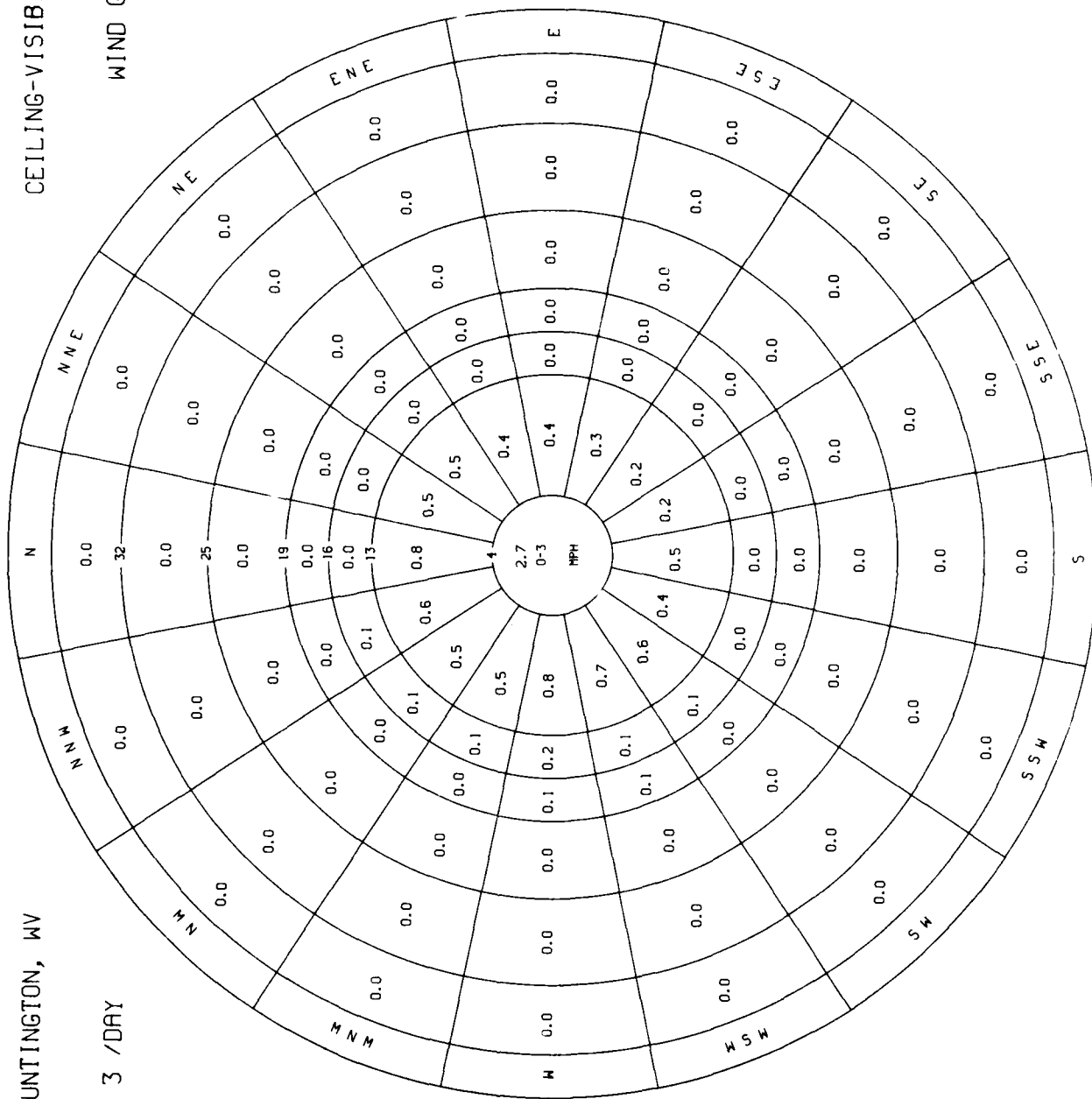
STATION NUMBER: 03860

NO. OBS.: 2954

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.3	1.9	1.0	6.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.2	6.2
NNE	.2	1.4	.7	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.6	5.6
NE	.2	1.2	.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.6	5.2
ENE	.1	.9	.4	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.6	5.9
E	.3	1.7	.4	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.4	5.2
ESE	.3	2.0	.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.6	4.5
SE	.3	1.6	.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	4.5
SSE	.2	.9	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	4.8
S	.2	1.2	.5	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.2	5.4
SSW	.2	1.1	.4	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.5	5.3
SW	.2	1.0	.5	2.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.2	6.6
WSW	.1	.6	.7	4.6	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.0	1.0	6.4	9.1
W	.1	.8	.7	4.4	.2	1.0	.1	.6	.0	.1	.0	.1	.0	.0	.0	1.1	7.0	9.7
WNW	.0	.3	.5	3.2	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	.0	.7	4.5	9.7
NW	.1	.7	.6	3.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	5.1	7.8
NNW	.2	1.1	.8	5.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.7	7.5
CALM	3.7	22.8														3.7	22.8	
TOTAL	6.7	41.3	8.5	52.6	.6	3.9	.3	1.7	.0	.3	.0	.1	.0	.1	.0	16.1	100	5.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 3 / DAY

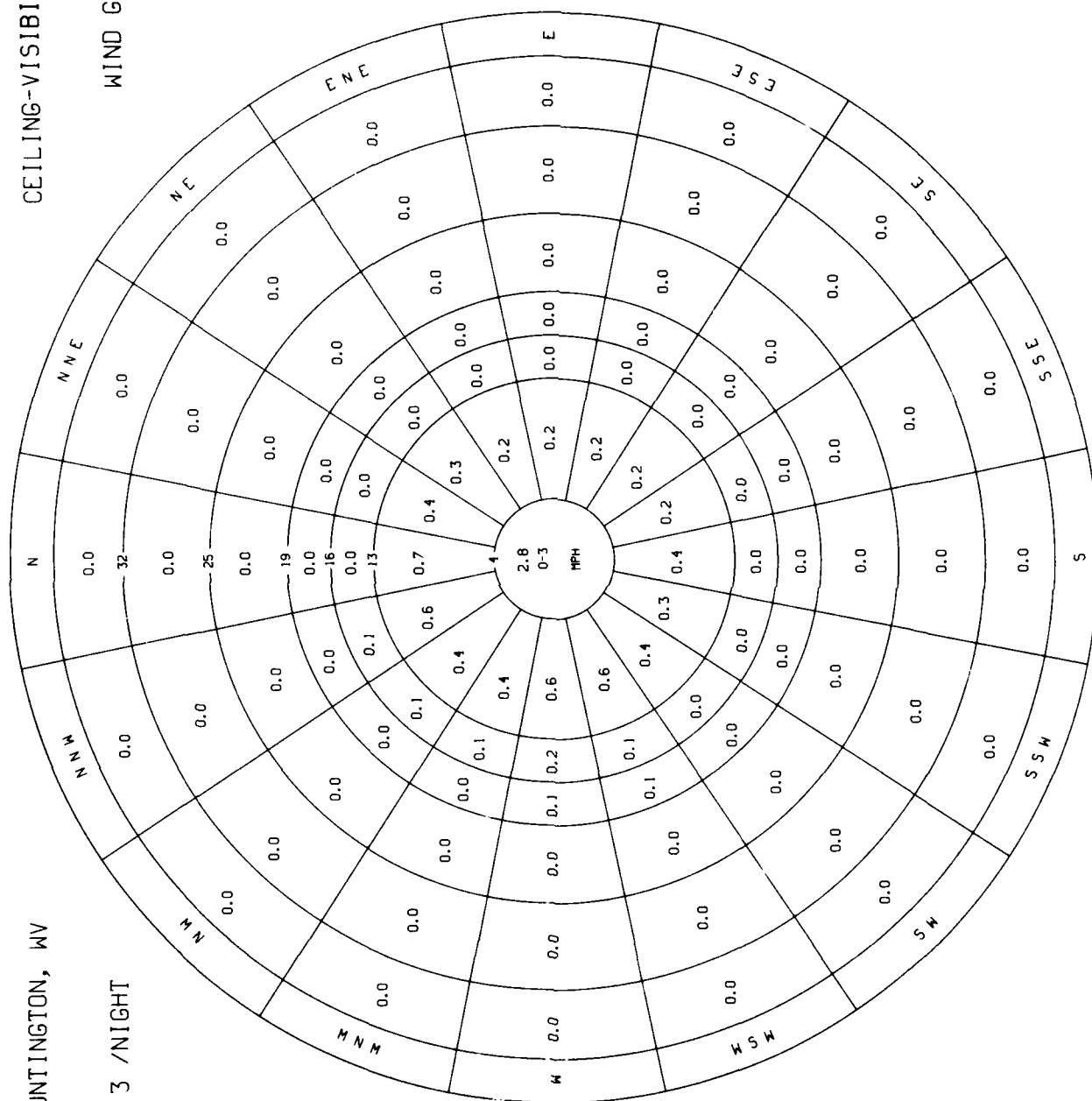
STATION NUMBER: 03860

NO. OBS.: 2616

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.3	2.3	.8	6.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	9.4	6.4
NNE	.1	1.0	.5	4.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.5	6.1
NE	.1	.9	.5	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.9	6.1
ENE	.1	1.0	.4	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.4	6.2
E	.2	1.3	.4	3.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.7	5.8
ESE	.1	1.1	.3	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0	5.3
SE	.1	1.2	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	5.1
SSE	.0	.3	.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.1	6.0
S	.2	1.6	.5	4.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.3	5.9
SSW	.1	.7	.4	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.3	5.9
SW	.1	1.0	.6	5.0	.1	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.8	6.5	7.3
WSW	.1	.9	.7	6.4	.1	1.1	.1	.5	.0	.2	.0	.1	.0	.0	.0	1.1	9.2	8.9
W	.1	.6	.8	6.5	.2	1.4	.1	.5	.0	.4	.0	.1	.0	.0	.0	1.1	9.5	10.0
WNW	.1	.6	.5	3.9	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.7	5.7	9.2
NW	.1	.9	.5	4.4	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	6.4	8.3
NNW	.1	.9	.6	5.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.7	7.7
CALM	.8	7.3														.8	7.3	
TOTAL	2.7	23.5	7.9	67.8	.7	5.8	.2	1.7	.1	1.0	.0	.2	.0	.0	.0	11.6	100	6.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 3 / NIGHT

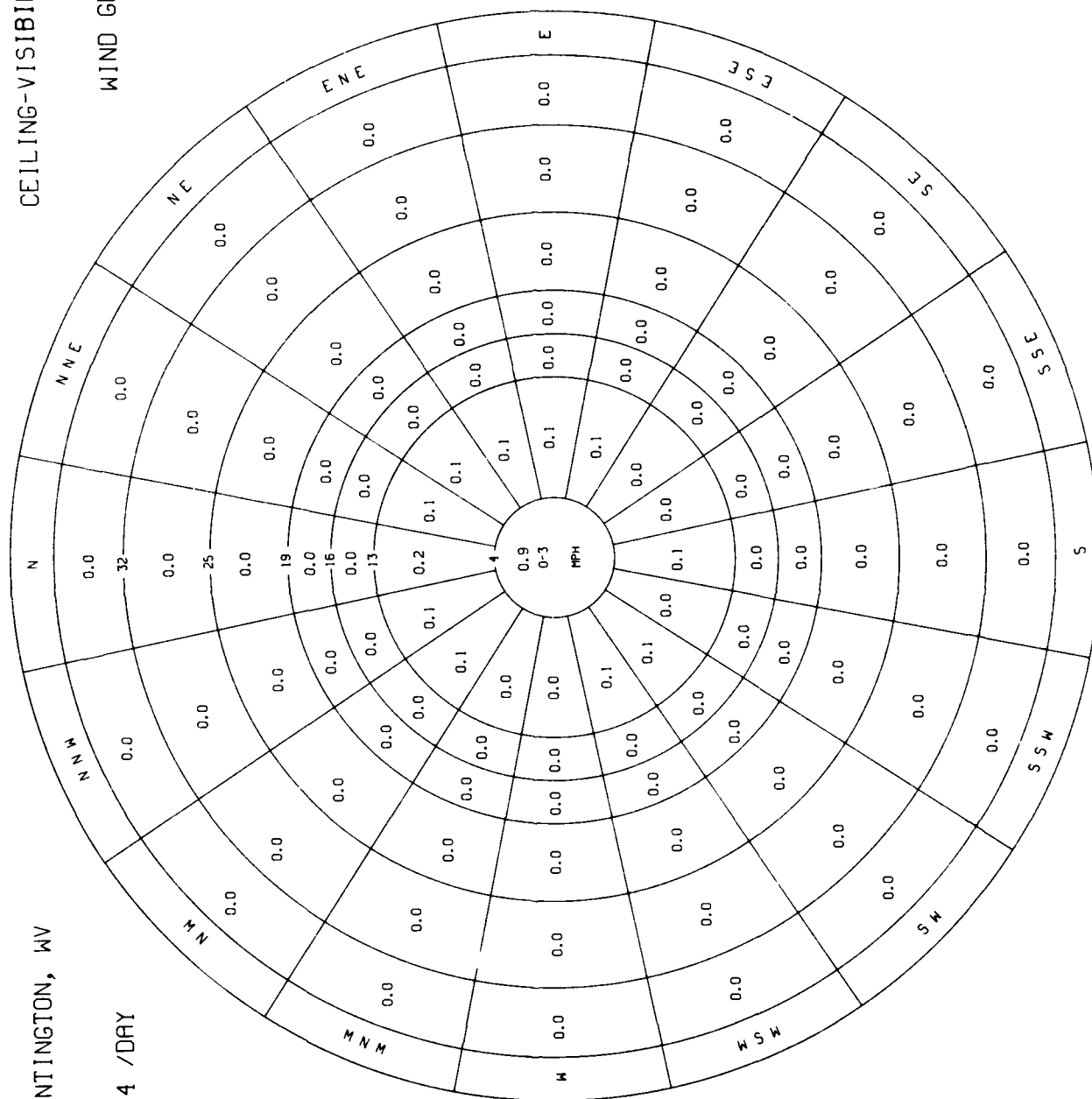
STATION NUMBER: 03860

NO. OBS.: 1824

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	1.3	.7	6.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.6	6.7
NNE	.1	.9	.4	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.3	6.1
NE	.1	1.1	.3	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.8	5.3
ENE	.1	.7	.2	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.2	6.5
E	.1	1.3	.2	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.7	5.4
ESE	.1	1.5	.2	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.7	4.7
SE	.1	1.0	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7	4.9
SSE	.1	.8	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5	5.3
S	.1	.8	.4	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.6	5.9
SSW	.1	.8	.3	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0	5.4
SW	.1	.8	.4	4.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	5.3	7.3
WSW	.1	.7	.6	6.5	.1	1.2	.1	.6	.0	.3	.0	.0	.0	.0	.9	9.3	9.6
W	.1	1.0	.6	6.4	.2	1.6	.1	.9	.0	.1	.0	.1	.0	.0	1.0	10.2	9.9
WNW	.0	.2	.4	4.3	.1	.9	.0	.5	.0	.1	.0	.1	.0	.0	.6	6.0	10.2
NW	.1	.7	.4	4.3	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.6	5.6	8.5
NNW	.1	1.2	.6	5.9	.1	.7	.0	.1	.0	.1	.0	.0	.0	.1	.8	7.9	8.0
CALM	1.4	13.6													1.4	13.6	
TOTAL	2.8	28.3	6.2	62.4	.6	6.0	.3	2.5	.0	.5	.0	.2	.0	.1	10.0	100	6.4

HTS HUNTINGTON, WV

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 4 / DAY

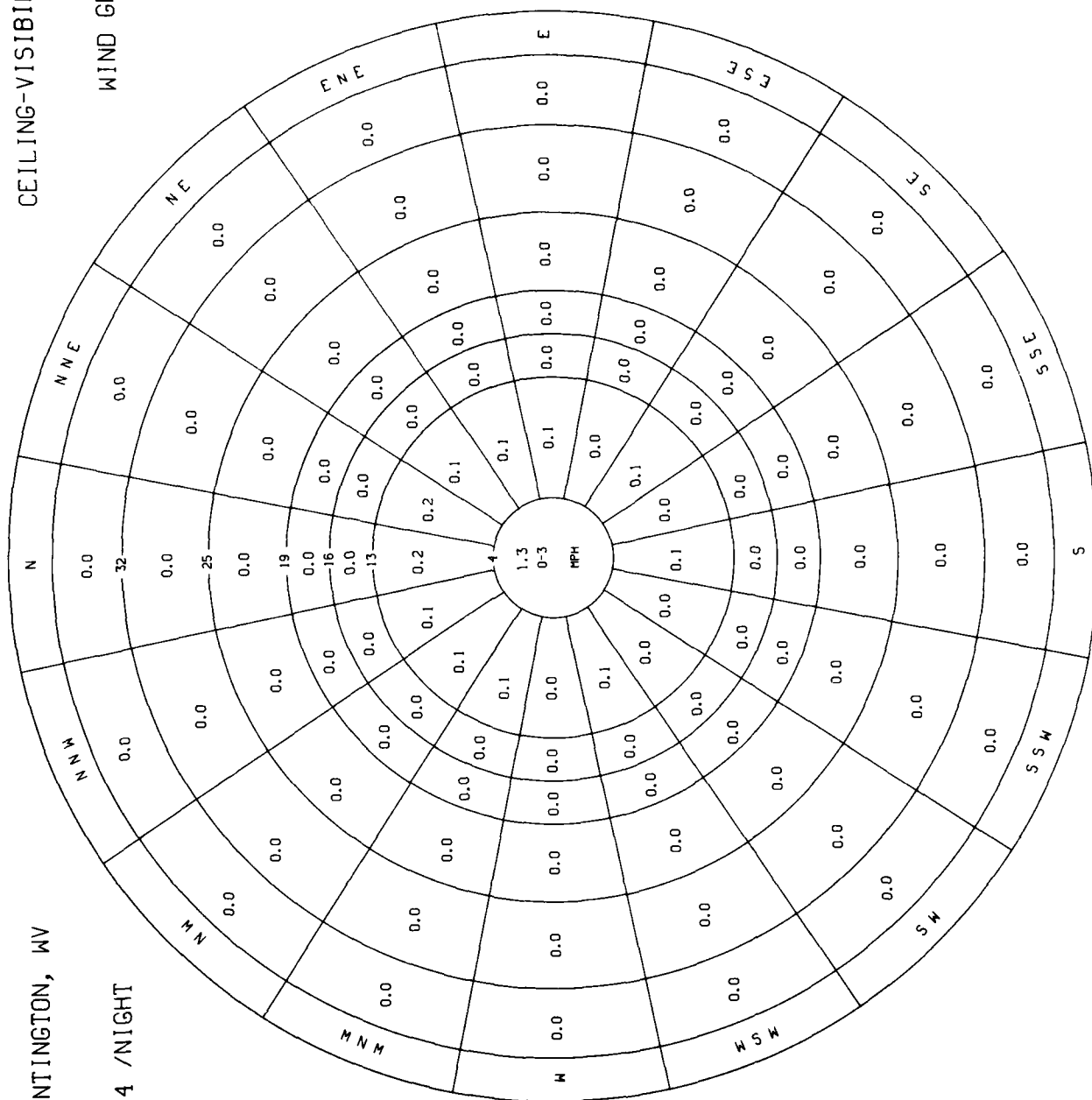
STATION NUMBER: 03860

NO. OBS.: 528

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	3.2	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 12.3
NNE	.0	.8	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.7
NE	.0	2.1	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.8
ENE	.0	.9	.1	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.5
E	.1	3.0	.1	6.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 9.5
ESE	.0	.8	.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.8
SE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.2
SSE	.0	1.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
S	.0	1.1	.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.5
SSW	.0	.2	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.3
SW	.0	.9	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.2
WSW	.0	1.1	.1	2.8	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1 4.4
W	.0	.6	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 2.7
WNW	.0	.6	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 2.7
NW	.0	1.1	.1	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.1
NNW	.0	1.1	.1	5.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.4
CALM	.4	16.1													.4 16.1
TOTAL	.9	37.1	1.4	60.4	.0	1.5	.0	.6	.0	.4	.0	.0	.0	.0	2.3 100
															5.0

HTS HUNTINGTON, WV

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 4 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 478

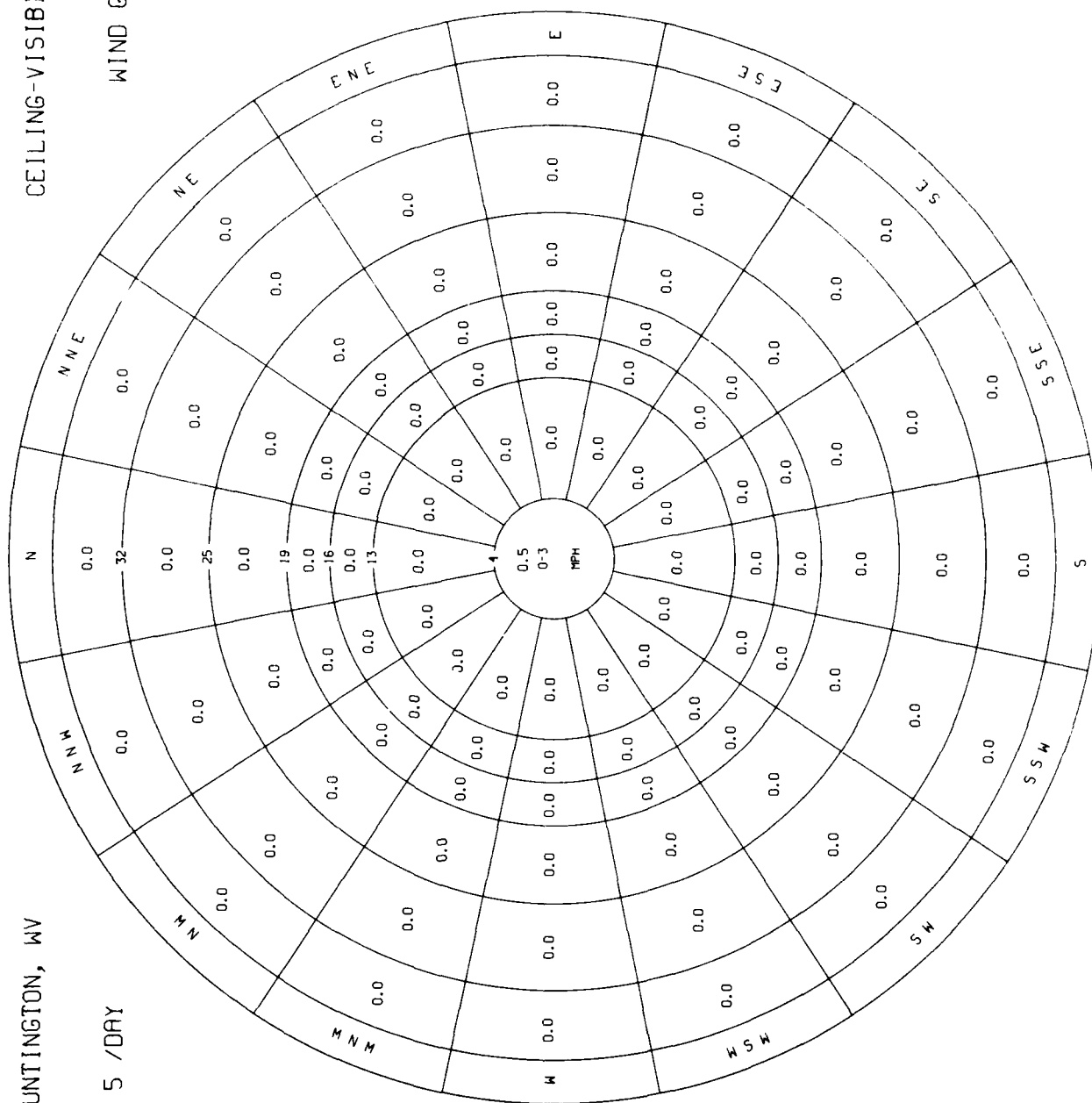
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	2.1	.2	5.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	8.2	5.9
NNE	.0	1.9	.2	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.9	5.6
NE	.1	2.1	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	4.9
ENE	.0	.8	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	5.8
E	.0	1.5	.1	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	5.8
ESE	.1	3.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	3.7
SE	.1	3.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	3.9
SSE	.0	1.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	3.6
S	.1	2.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.2
SSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	4.2
SW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	4.4
WSW	.0	.0	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	5.5
W	.0	.8	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	2.7	8.3
WNW	.0	.6	.1	2.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	7.7
NW	.0	.8	.1	5.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	6.5	7.3
NNW	.0	.8	.1	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	6.1
CALM	.7	25.5														.7	25.5	
TOTAL	1.3	50.4	1.3	48.1	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.2	2.6	100	4.1

HTS HUNTINGTON, WV

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1965-1978

STATION NAME: HTS HUNTINGTON, WV

CLASS 5 / DAY

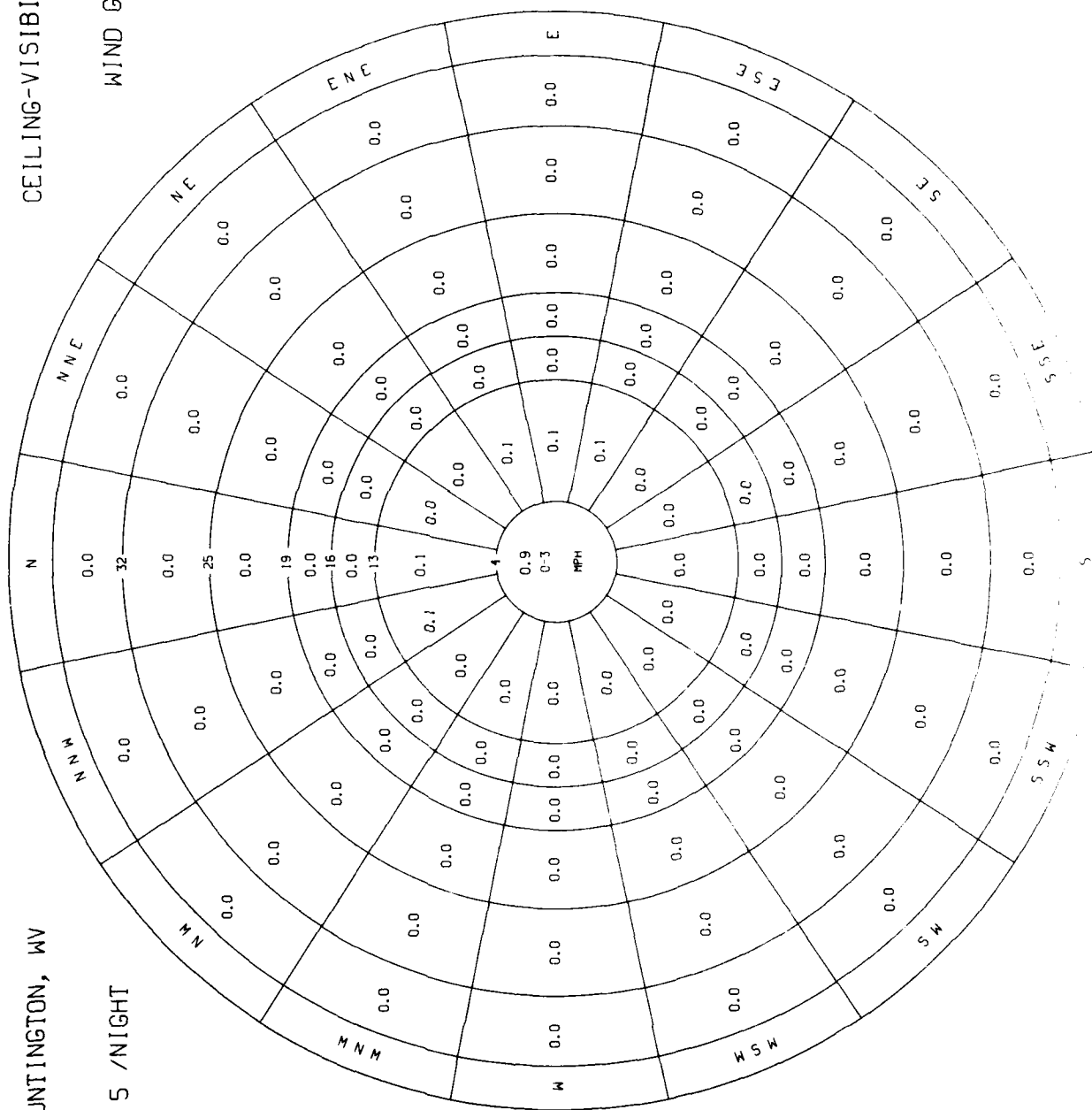
NO. OBS.: 183

STATION NUMBER: 03860

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.2	.0	4.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	6.6
NNE	.0	2.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.0
NE	.0	2.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.0
ENE	.0	3.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	4.7
E	.0	2.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.0
ESE	.0	4.9	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	4.3	4.3
SE	.0	1.6	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.3	2.7
SSE	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.3	4.0
S	.0	2.2	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	4.0	6.0
SSW	.0	3.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.0	5.0
SW	.0	.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0	7.0
WSW	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.0	7.5
W	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.5	5.4
WNW	.0	.5	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	4.4	5.4	7.5
NW	.0	3.3	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	7.1	7.5	
NNW	.0	.5	.0	6.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	.2	23.0												.2	23.0		
TOTAL	.5	58.5	.3	38.3	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.8	100		4.0

CEILING-VISIBILITY

WIND GRAPH



HTS HUNTINGTON, WV

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 5 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 284

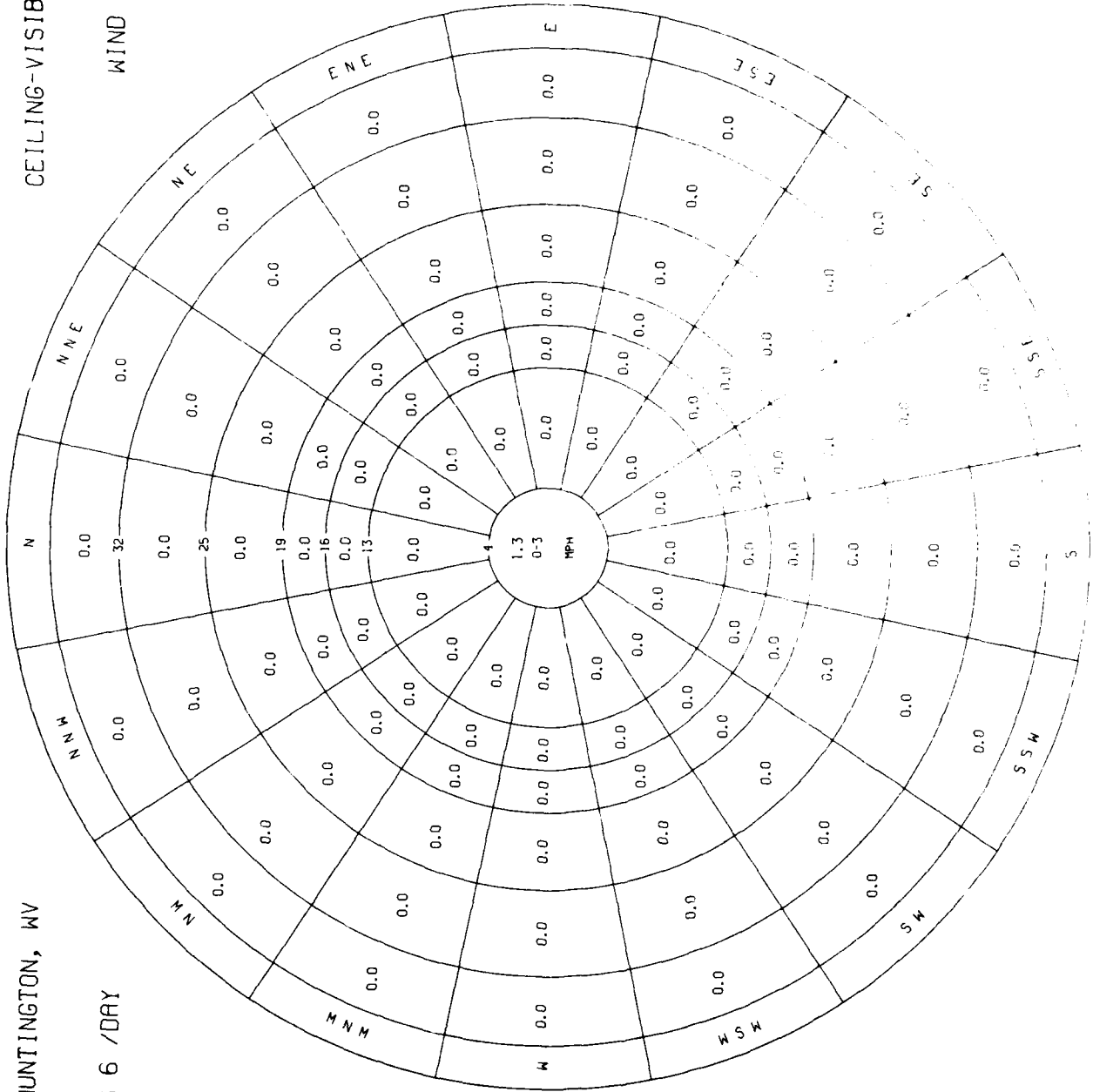
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	2.8	.1	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	5.7
NNE	.0	2.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	4.5
NE	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.0
ENE	.0	2.1	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	4.7
E	.0	2.5	.1	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	5.3
ESE	.1	4.2	.1	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.5	4.4
SE	.0	.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.0
SSE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
S	.0	1.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.5
SSW	.0	2.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.5
SW	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.8
WSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.5
W	.0	.4	.0	1.8	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	2.8	8.1
WNW	.0	.4	.0	.7	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.4	9.2
NW	.0	1.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	5.6
NNW	.0	.7	.1	4.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.2
CALM	.5	33.1														.5	33.1	
TOTAL	.9	58.8	.6	39.8	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.5	100	3.5

HTS HUNTINGTON, WV

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 6 / DAY

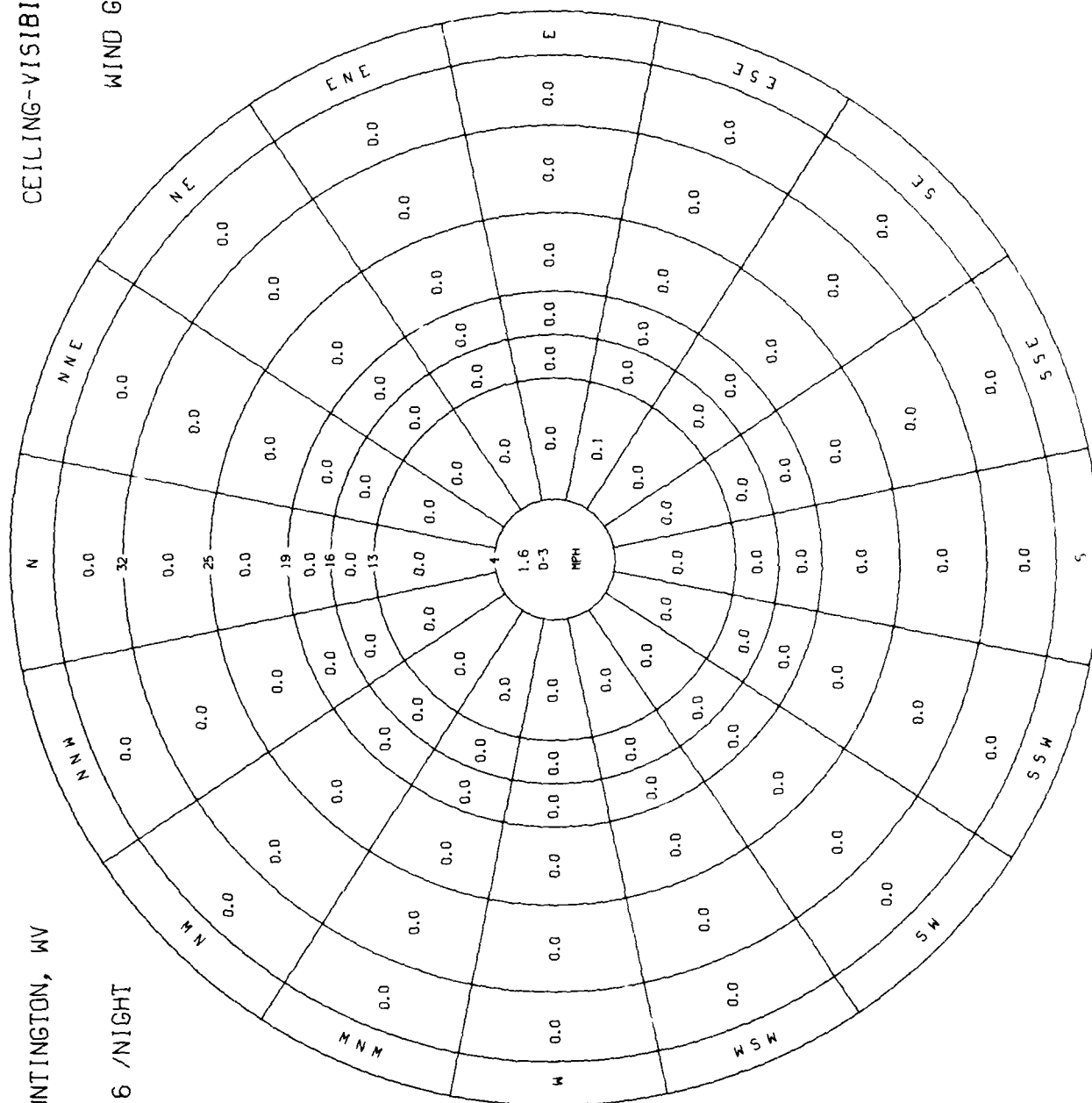
STATION NUMBER: 03860

NO. OBS.: 372

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	5.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.3	4.1
NNE	.1	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	3.2
NE	.1	3.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	3.5
ENE	.0	3.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	3.4
E	.0	2.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	4.1
ESE	.0	2.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	3.9
SE	.0	2.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	3.9
SSE	.0	2.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.3
S	.0	2.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	3.9
SSW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.5
SW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.9
WSW	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.0
W	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
WNW	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
NW	.0	1.3	.0	1.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	2.7	5.8
NNW	.0	3.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	3.9
CALM	.7	44.4													.7	44.4		
TOTAL	1.3	79.3	.3	20.2	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.6	100	2.2

CEILING-VISIBILITY
WIND GRAPH

HTS HUNTINGTON, WV
CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 6 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 368

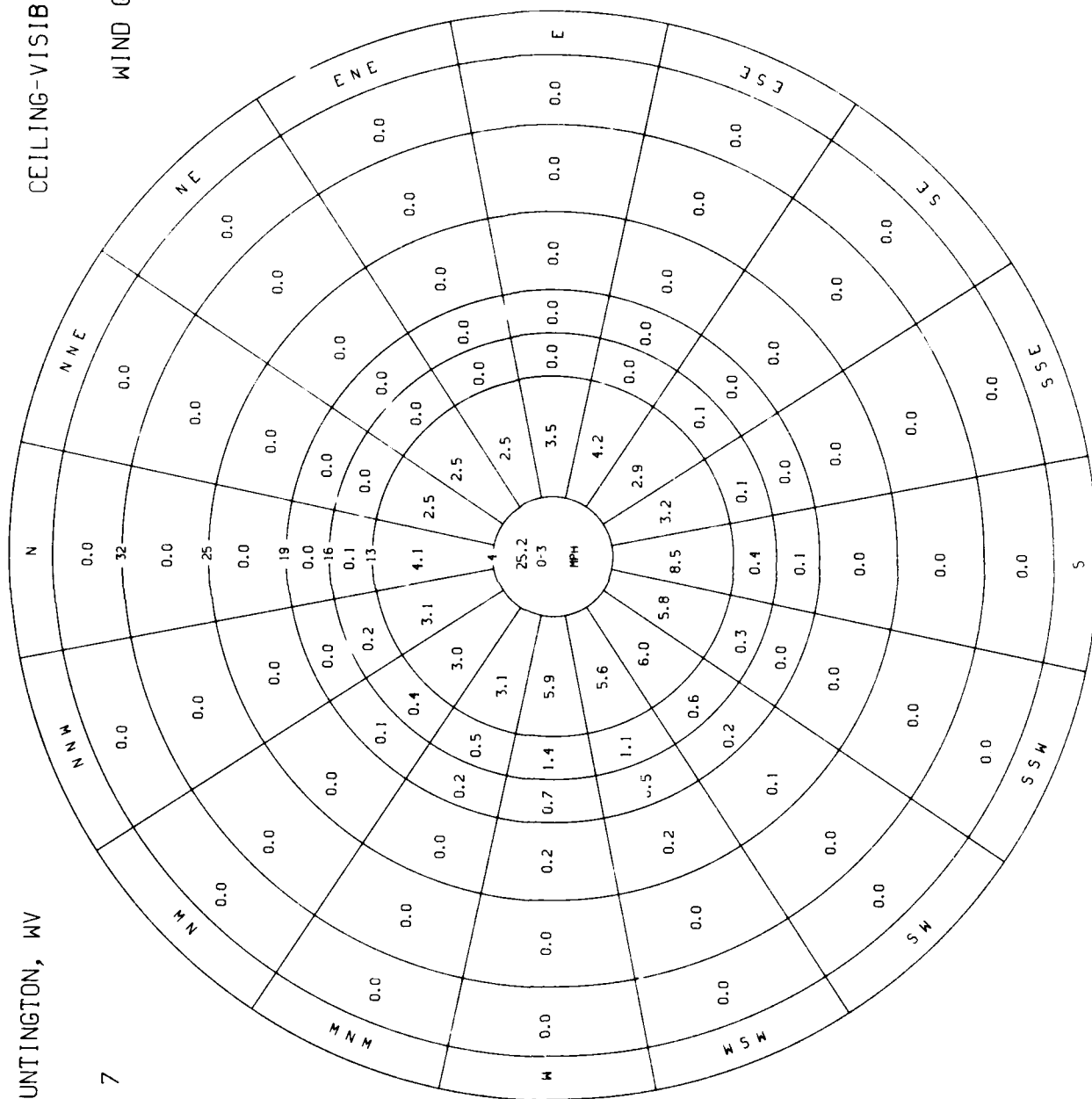
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	3.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.3
NNE	.0	2.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.8
NE	.0	.5	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
ENE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
E	.1	3.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.2
ESE	.0	1.6	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.7
SE	.1	2.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
SSE	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
S	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
SSW	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
WSW	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
W	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
WNW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
NW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
NNW	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
CALM	1.1	56.8													1.1 56.8
TOTAL	1.6	80.4	.4	19.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.0 100

HTS HUNTINGTON, WV

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

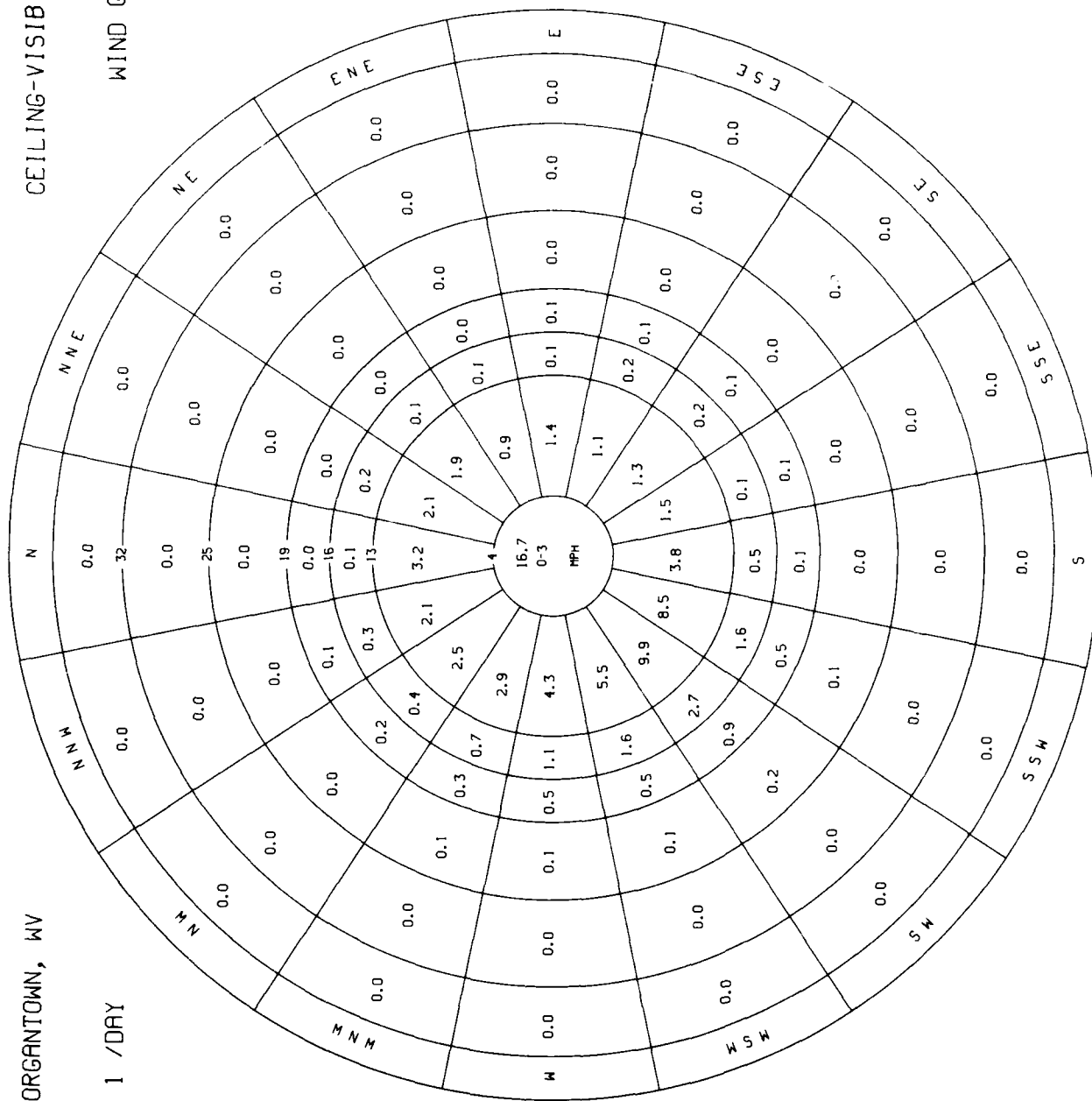


CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 1 / DAY



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 1 YEAR

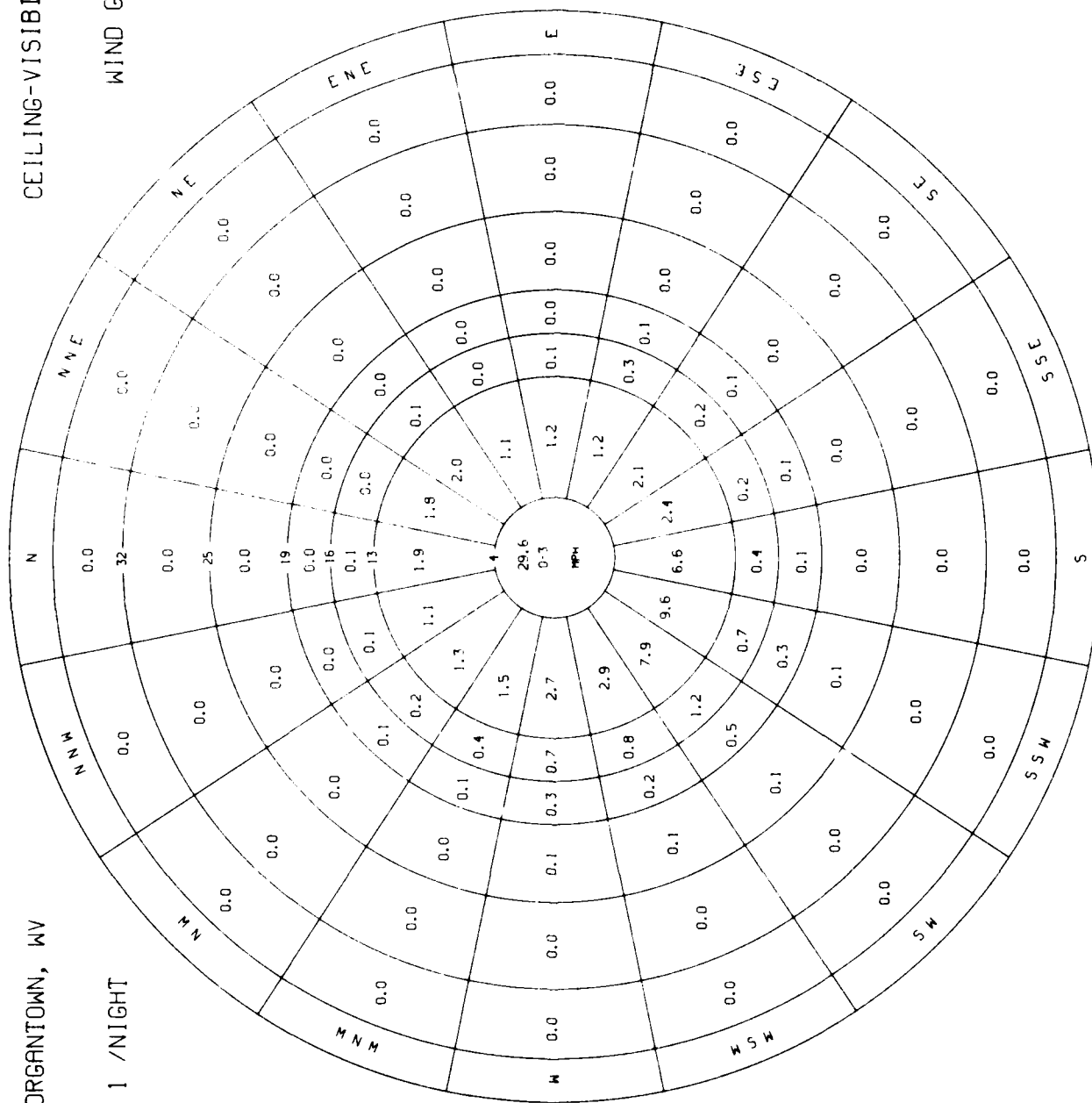
STATION NUMBER: 13736

NO. OBS.: 12941

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.6	.7	3.2	3.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.7	6.9
NNE	.4	.5	2.1	2.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.2	7.1
NE	.7	.8	1.9	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.2	6.3
ENE	.2	.2	.9	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.4	7.0
E	.4	.5	1.4	1.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.0	2.4	7.6
ESE	.1	.1	1.1	1.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.6	1.9	9.6
SE	.4	.4	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.9	2.3	8.1
SSE	.3	.3	1.5	1.8	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.0	2.4	7.9
S	.7	.9	3.8	4.6	.5	.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	5.2	6.3	7.9
SSW	.9	1.1	8.5	10.2	1.6	1.9	.5	.6	.1	.2	.0	.0	.0	.0	.0	11.7	14.0	9.3
SW	1.5	1.9	9.9	11.9	2.7	3.2	.9	1.0	.2	.2	.0	.0	.0	.0	.0	15.2	18.2	9.5
WSW	.5	.6	5.5	6.6	1.6	1.9	.5	.6	.1	.2	.0	.0	.0	.0	.0	8.2	9.8	10.1
W	.8	1.0	4.3	5.1	1.1	1.3	.5	.6	.1	.1	.0	.0	.0	.0	.0	6.7	8.0	9.5
WNW	.4	.4	2.9	3.5	.7	.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	4.3	5.2	9.7
NW	.6	.7	2.5	3.0	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	3.7	4.4	8.1
NNW	.1	.2	2.1	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.6	3.1	8.6
CALM	8.0	9.6														8.0	9.6	
TOTAL	16.7	20.0	52.8	63.3	9.9	11.9	3.3	3.9	.7	.8	.1	.1	.0	.0	.0	83.5	100	8.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 1 / NIGHT

STATION NUMBER: 13736

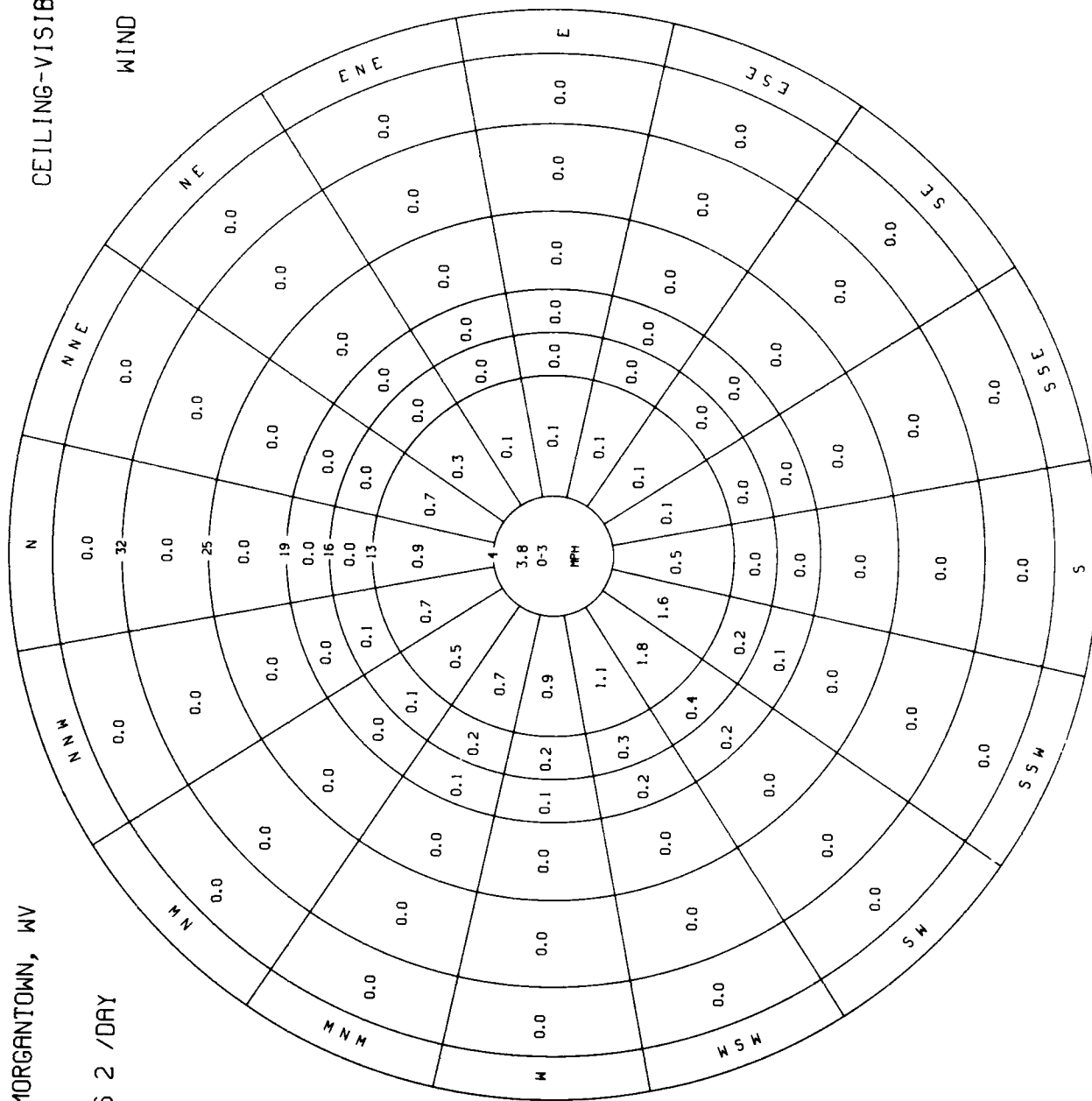
NO. OBS.: 11619

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.5	1.9	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5 3.0 6.5
NNE	.4	.5	1.8	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.6 6.1
NE	1.0	1.2	2.0	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1 3.6 5.6
ENE	.3	.4	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.7 6.0
E	.7	.8	1.2	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.5 6.5
ESE	.2	.2	1.2	1.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.8 2.1 9.1
SE	.6	.7	2.1	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.6 7.3
SSE	.6	.7	2.4	2.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.3 3.9 7.1
S	1.7	2.0	6.6	7.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	8.8 10.3 6.7
SSW	2.0	2.4	9.6	11.3	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	12.7 15.0 7.5
SW	2.5	2.9	7.9	9.3	1.2	1.4	.5	.5	.1	.1	.0	.1	.0	.0	12.1 14.2 7.7
WSW	.2	.3	2.9	3.4	.8	1.0	.2	.3	.1	.1	.0	.0	.0	.0	4.3 5.1 10.1
W	.5	.6	2.7	3.2	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	4.3 5.0 9.7
WNW	.2	.2	1.5	1.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.2 2.6 9.7
NW	.3	.3	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8 2.1 8.2
NNW	.2	.2	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.6 8.0
CALM	17.9	21.1													17.9 21.1
TOTAL	29.6	34.8	47.4	55.8	5.4	6.4	1.9	2.2	.5	.6	.1	.2	.0	.0	84.9 100 6.0

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 2 / DAY

NO. OBS.: 2562

STATION NUMBER: 13736

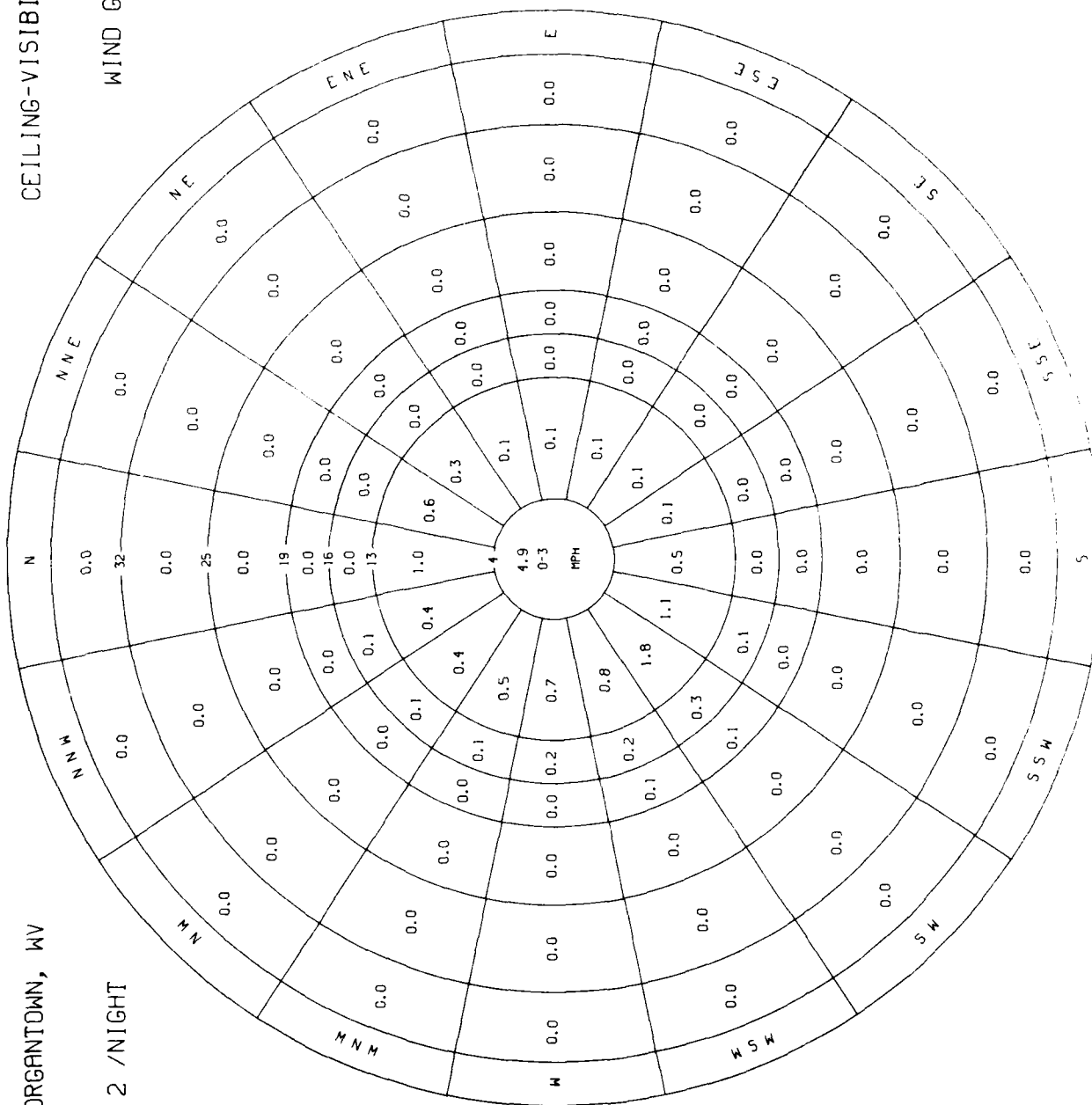
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
																C	D		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D		
N	.2	.9	.9	5.7	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.2	7.1	7.3	
NNE	.1	.7	.7	4.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	5.5	7.0	
NE	.1	.8	.3	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.8	6.1	
ENE	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.9	6.8	
E	.0	.2	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.7	9.1	
ESE	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	8.1	
SE	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.4	
SSE	.0	.2	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	6.7	
S	.1	.5	.5	3.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.7	7.1	
SSW	.2	1.1	1.6	9.7	.2	1.1	.1	.4	.0	.1	.0	.0	.0	.0	.0	2.1	12.4	8.5	
SW	.3	2.1	1.8	11.1	.4	2.1	.2	1.1	.0	.2	.0	.1	.0	.0	.0	2.8	16.8	9.1	
WSW	.1	.5	1.1	6.6	.3	1.8	.2	1.0	.0	.2	.0	.0	.0	.0	.0	1.7	10.0	10.4	
W	.1	.9	.9	5.7	.2	1.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	1.4	8.4	9.5	
WNW	.1	.5	.7	4.1	.2	.9	.1	.3	.0	.1	.0	.0	.0	.0	.0	1.0	6.1	9.8	
NW	.1	.7	.5	3.3	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	4.6	8.2	
NNW	.1	.4	.7	4.4	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.4	7.9	
CALM	2.2	13.1														2.2	13.1		
TOTAL	3.8	23.0	10.4	62.9	1.5	9.1	.7	4.0	.1	.7	.0	.2	.0	.0	.0	16.5	100	7.5	

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 2 / NIGHT

NO. OBS.: 2065

STATION NUMBER: 13736

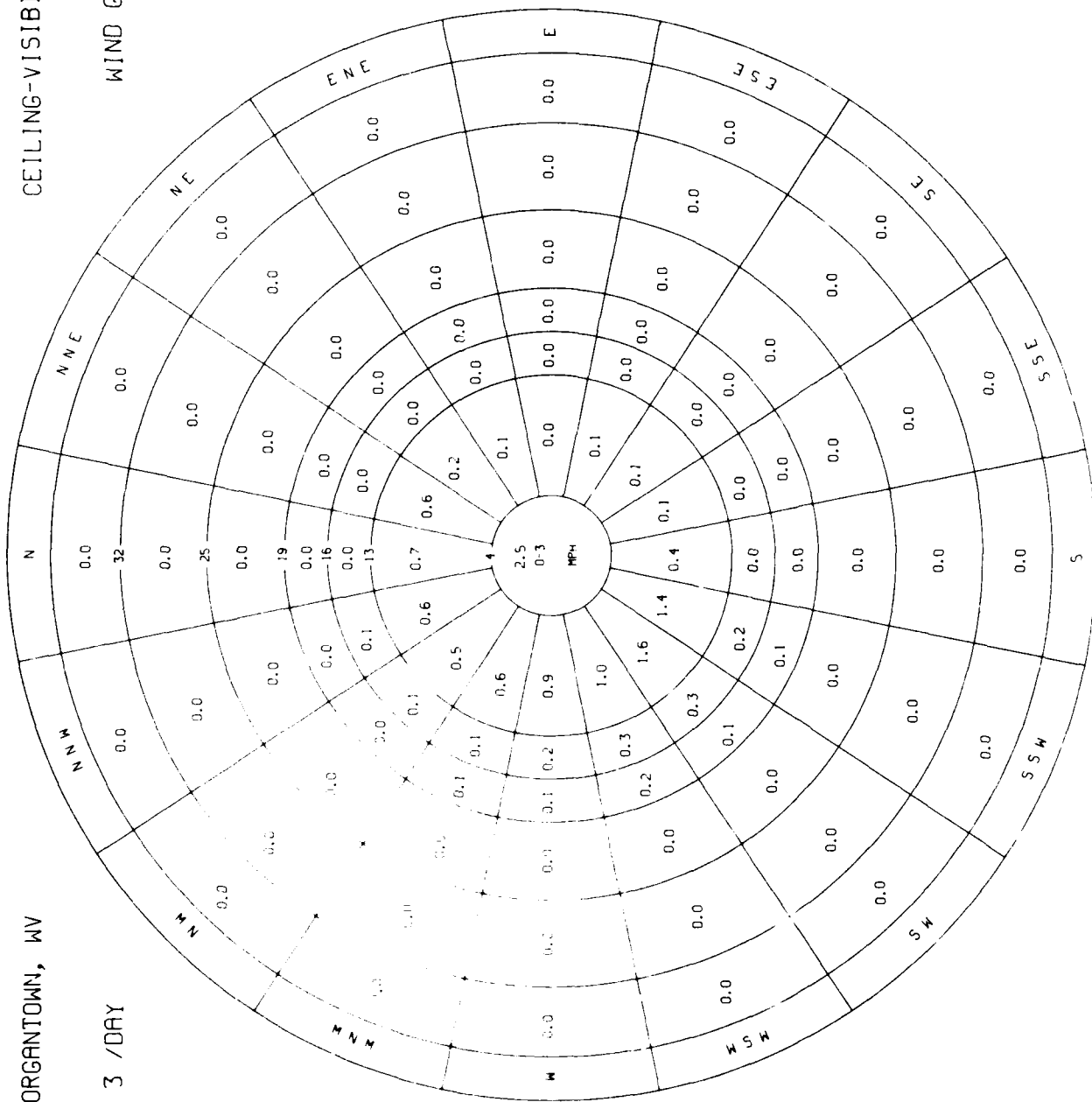
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED					
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL				
																A	B	C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B						C
N	.2	1.0	1.0	6.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.1	7.1
NNE	.1	.5	.6	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.9	7.5
NE	.3	1.9	.3	2.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.2	5.6
ENE	.0	.2	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.9
E	.0	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	7.7
ESE	.0	.0	.1	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	10.4
SE	.0	.3	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.3
SSE	.0	.1	.1	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.1	7.9
S	.2	1.3	.5	3.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.6	6.0
SSW	.2	1.6	1.1	7.6	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.8	7.2
SW	.3	2.1	1.8	11.7	.3	1.1	.1	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	16.6	8.4
WSW	.1	.5	.8	5.1	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.1	7.5	10.0
W	.1	.7	.7	4.4	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.4	9.3
WNW	.0	.2	.5	3.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.4	9.8
NW	.1	.9	.4	2.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.8	8.6
NNW	.0	.2	.4	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6	8.7
CALM	3.1	20.7																3.1	20.7	
TOTAL	4.9	32.3	8.6	56.9	1.1	7.0	.4	2.8	.1	.9	.0	.1	.0	.0	.0	.0	.0	15.1	100	6.4

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 3 / DAY

STATION NUMBER: 13736

NO. OBS.: 2082

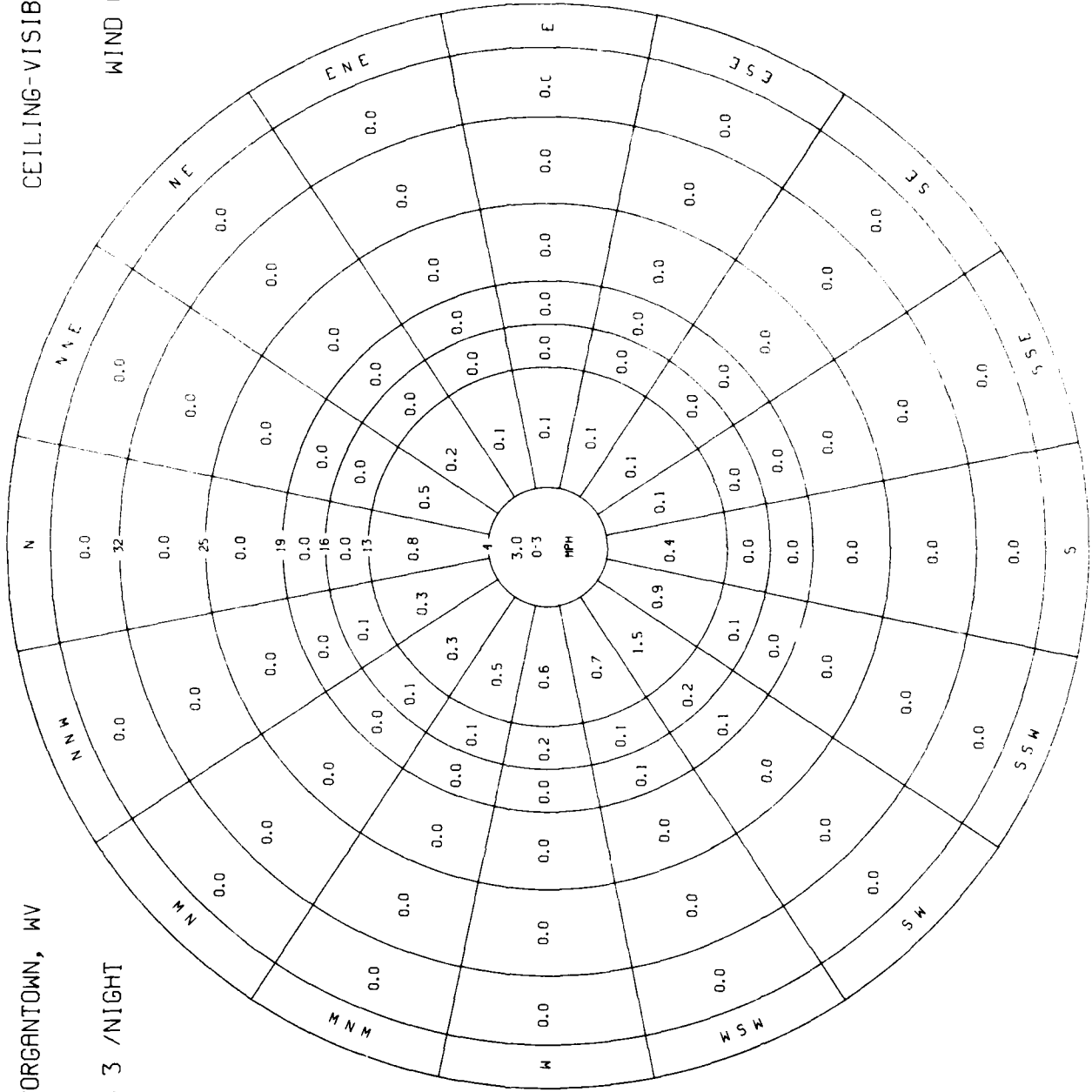
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.1	.7	.7	5.2	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	6.4	7.6	
NNE	.1	.6	.6	4.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.2	7.0	
NE	.1	.9	.2	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.8	6.0	
ENE	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.3	
E	.0	.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.7	9.5	
ESE	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	8.1	
SE	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.6	
SSE	.0	.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	6.1	
S	.0	.3	.4	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6	7.7	
SSW	.1	1.0	1.4	10.4	.2	1.2	.1	.4	.0	.0	.0	.0	.0	.0	.0	1.7	13.0	8.8	
SW	.3	1.9	1.6	11.6	.3	2.3	.1	1.1	.0	.3	.0	.1	.0	.0	.0	2.3	17.3	9.3	
WSW	.1	.4	1.0	7.4	.3	2.1	.2	1.2	.0	.1	.0	.0	.0	.0	.0	1.5	11.2	10.6	
W	.1	1.0	.9	6.6	.2	1.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	1.3	9.6	9.5	
WNW	.1	.5	.6	4.6	.1	1.0	.1	.4	.0	.1	.0	.0	.0	.0	.0	.9	6.6	9.6	
NW	.1	.7	.5	3.4	.1	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.6	4.8	8.7	
NNW	.1	.4	.6	4.6	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.6	7.9	
CALM	1.3	9.6														1.3	9.6		
TOTAL	2.5	18.6	8.8	65.9	1.4	10.1	.6	4.4	.1	.8	.0	.2	.0	.0	.0	13.4	100	8.0	

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 3 / NIGHT

NO. OBS.: 1576

STATION NUMBER: 13736

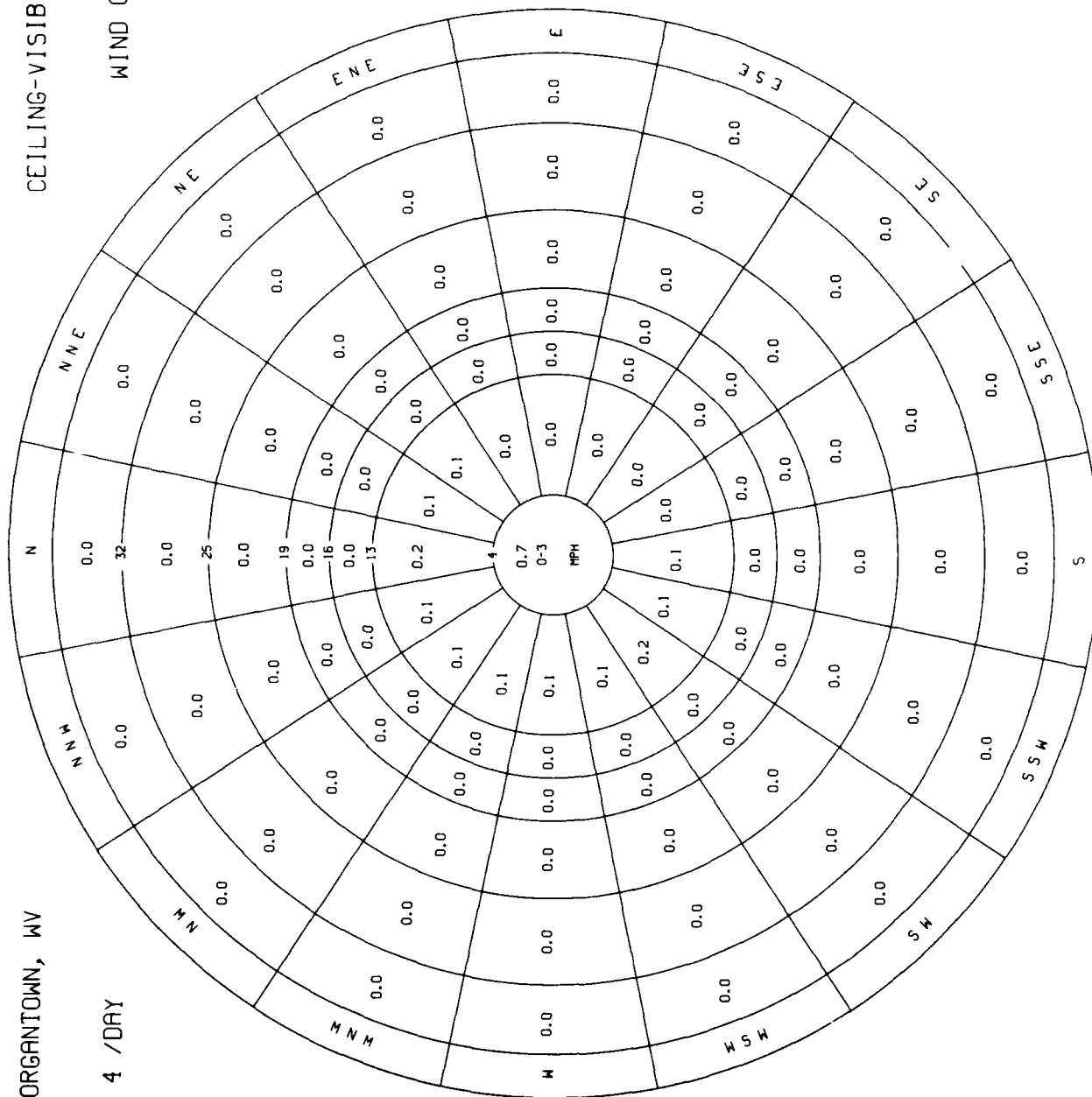
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.9	.6	6.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.9 7.9
NNE	.1	.4	.5	4.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 5.1
NE	.2	1.5	.2	1.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.5
ENE	.0	.1	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 .8
E	.0	.0	.1	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 .9
ESE	.0	.1	.1	.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 .8
SE	.0	.3	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
SSE	.0	.1	.1	1.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.3
S	.2	1.4	.4	3.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.4 6.3
SSW	.2	1.5	.9	7.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	1.2 10.1
SW	.2	1.9	1.5	13.2	.2	2.2	.1	1.1	.0	.2	.0	.0	.0	.1	2.1 18.6
WSW	.1	.6	.7	5.6	.1	1.2	.1	.7	.0	.3	.0	.0	.0	.0	1.0 8.5
W	.1	.7	.6	5.0	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.8 7.3
WNW	.0	.2	.5	3.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.6 5.2
NW	.1	.9	.3	2.9	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.6 5.1
NNW	.0	.3	.3	2.9	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.8
CALM	1.8	15.4													1.8 15.4
TOTAL	3.0	26.1	7.0	60.7	1.0	8.5	.4	3.4	.1	1.1	.0	.0	.0	.0	11.5 100

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 4 / DAY

NO. OBS.: 325

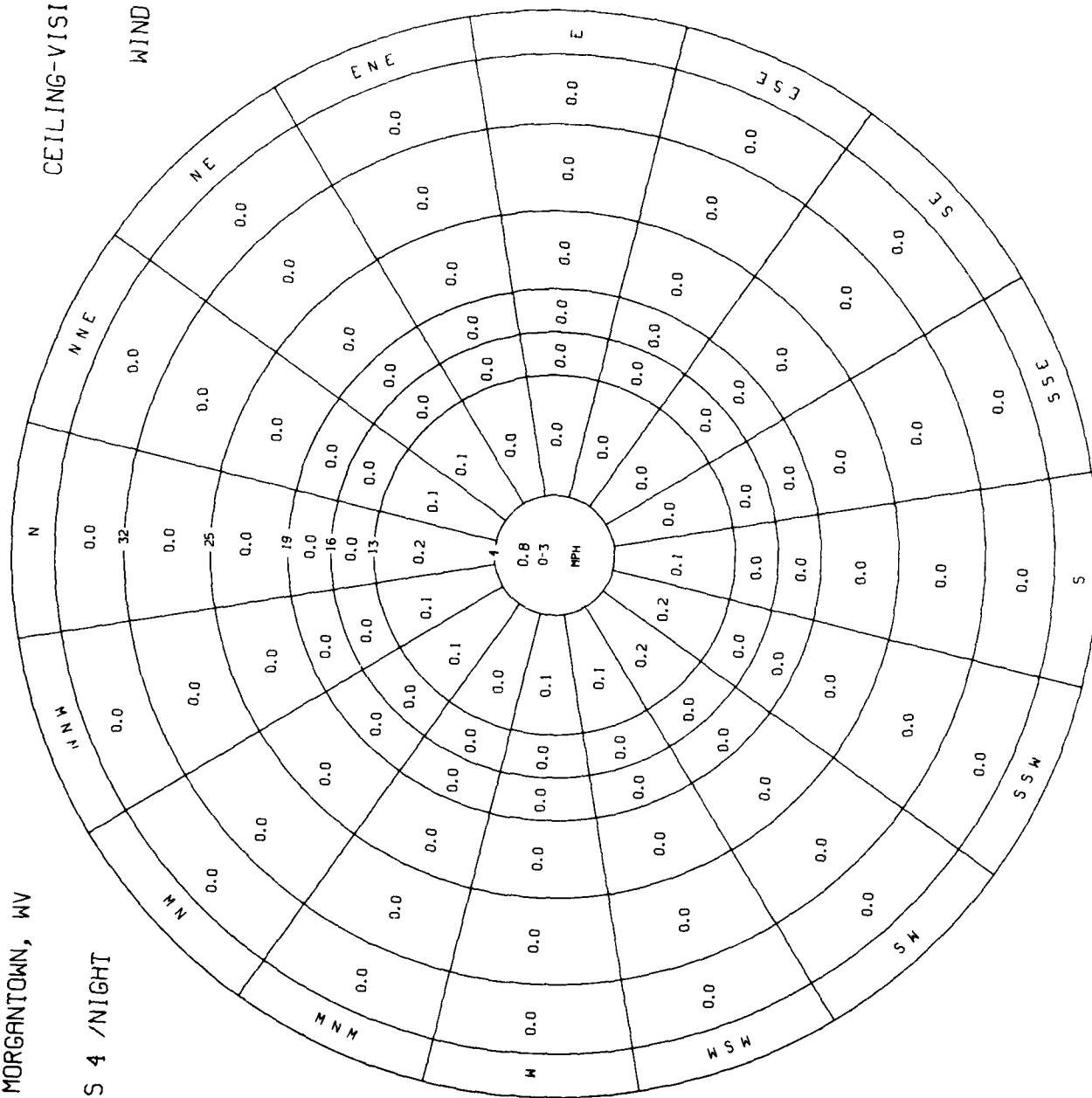
STATION NUMBER: 13736

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.8	.2	9.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 11.4
NNE	.0	.9	.1	5.2	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1 7.1
NNE	.0	.6	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
ENE	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
E	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
S	.0	1.5	.1	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.3
SSW	.0	1.2	.1	7.1	.0	.6	.0	.3	.0	.3	.0	.0	.0	.0	.2 9.5
SW	.1	2.8	.2	10.5	.0	2.2	.0	1.5	.0	.0	.0	.0	.0	.0	.4 16.9
WSW	.0	.9	.1	4.0	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.1 5.8
W	.0	.6	.1	2.8	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.1 4.6
WNW	.0	.3	.1	3.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.3
NW	.0	.9	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.0
NNW	.0	.3	.1	4.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.8
CALM	.4	19.7													.4 19.7
TOTAL	.7	32.6	1.2	57.5	.1	6.5	.1	2.8	.0	.6	.0	.0	.0	.0	2.1 100

CEILING-VISIBILITY

WIND GRAPH

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 4 / NIGHT

STATION NUMBER: 13736

NO. OBS.: 285

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	1.4	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.5	6.4
NNE	.0	.7	.1	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	7.2
NE	.0	1.8	.1	3.5	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.2
ENE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.2
E	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.5
ESE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.0
SE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	10.0
SSE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.0
S	.0	.7	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	4.8
SSW	.0	2.1	.2	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.8	6.0
SW	.1	2.8	.2	9.1	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.3	13.0	6.9
WSW	.0	.0	.1	3.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	8.9
W	.0	.7	.1	3.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.5
WNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	9.7
NW	.0	.7	.1	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.1	3.9	7.9
NNW	.0	.0	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	7.6
CALM	.6	29.5														.6	29.5	
TOTAL	.8	40.7	1.1	54.7	.1	3.2	.0	.7	.0	.4	.0	.4	.0	.0	.0	2.1	100	5.0

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 5 / DAY

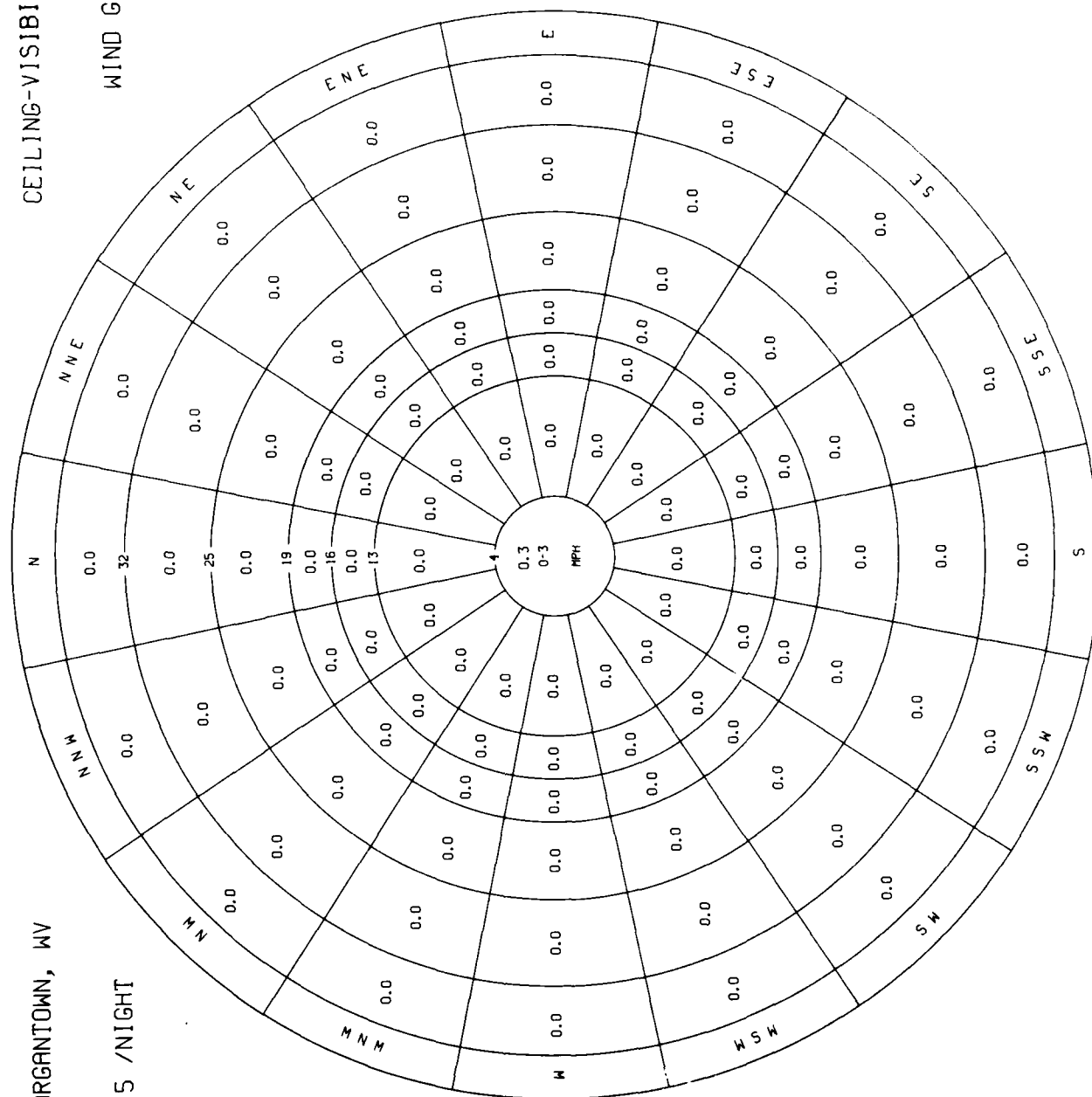
STATION NUMBER: 13736

NO. OBS.: 59

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	1.7	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	5.7
NNE	.0	3.4	.0	8.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	5.0
NE	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.0
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
E	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	17.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	26.0
S	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.0
SSW	.0	3.4	.0	6.8	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.1	13.6	7.7
SW	.0	.0	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	6.7
WSW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.5
W	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
WNW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	3.4	15.0
NW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	30.5													.1	30.5	
TOTAL	.2	45.8	.2	45.8	.0	1.7	.0	3.4	.0	1.7	.0	1.7	.0	.0	.4	100	5.1

CEILING-VISIBILITY

WIND GRAPH



MORGANTOWN, WV

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 5 / NIGHT

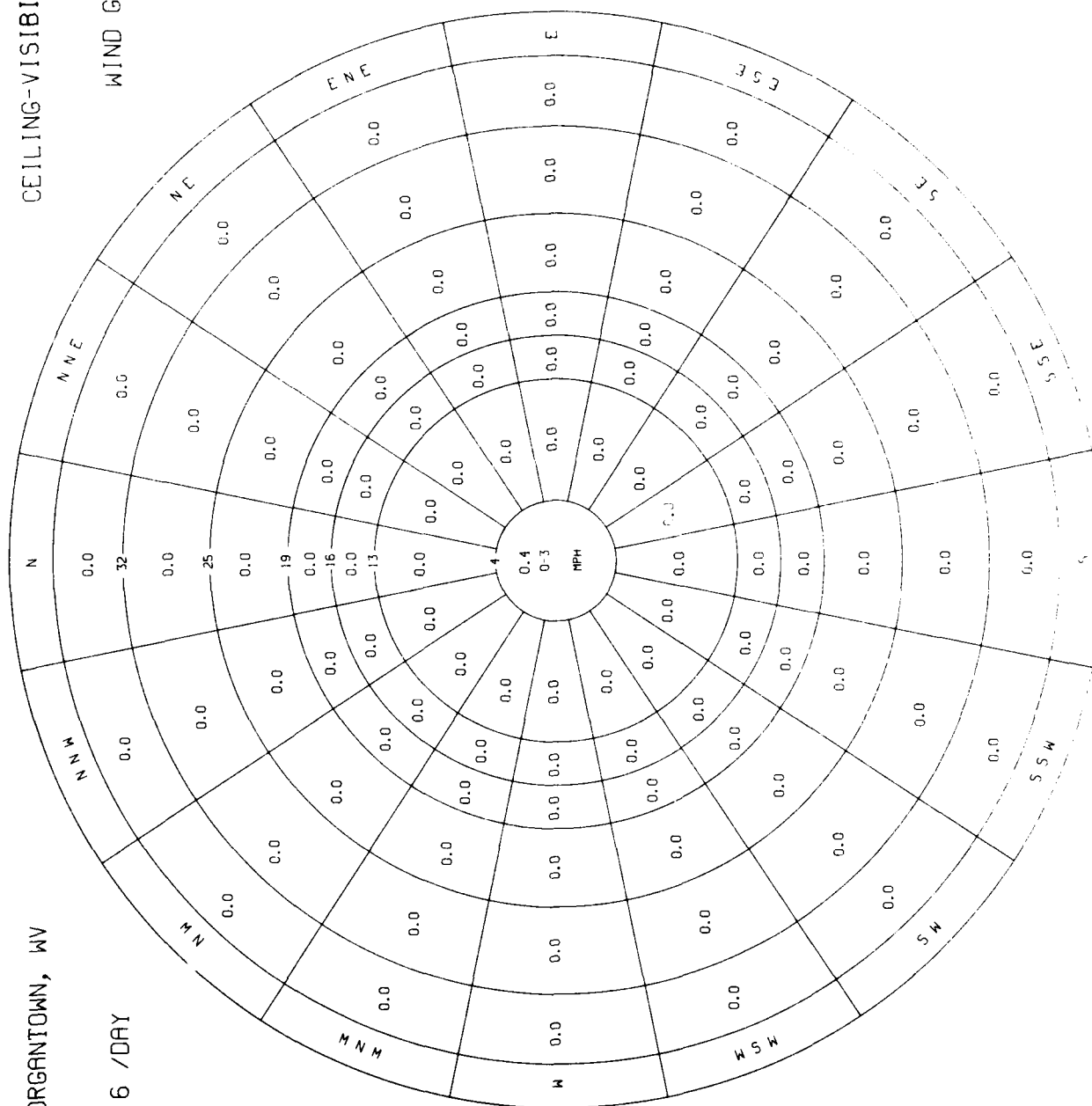
STATION NUMBER: 13736

NO. OBS.: 68

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
NNE	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
NE	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.5	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8
SSW	.0	2.9	.0	5.9	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	10.3
SW	.0	2.9	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4
WSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
W	.0	1.5	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	2.9
WNW	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
NW	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	44.1													44.1
TOTAL	.3	60.3	.2	36.8	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.5	100
															3.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 6 / DAY

STATION NUMBER: 13736

NO. OBS.: 96

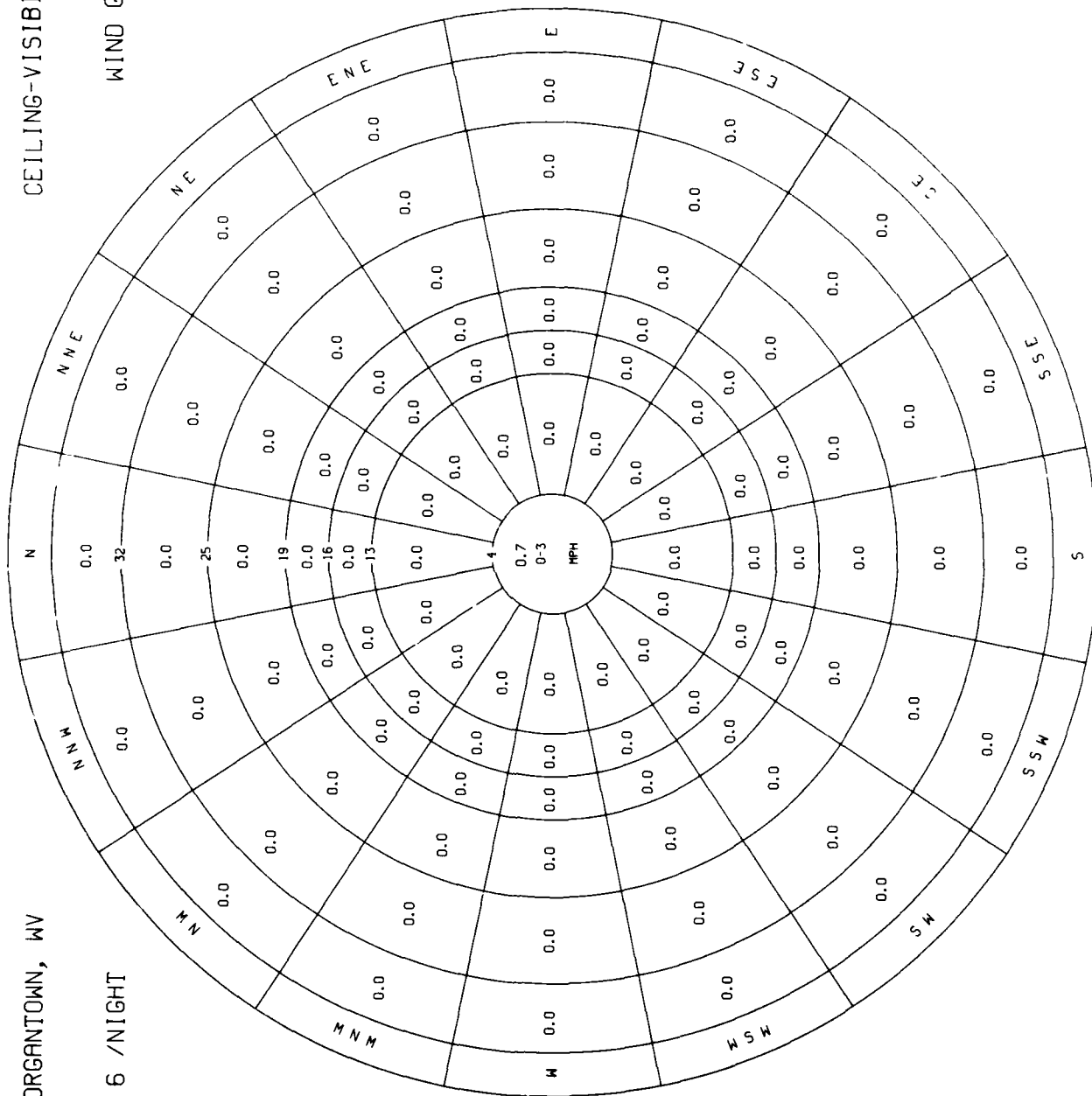
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
NNE	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
NE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
S	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
SSW	.0	3.1	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3
SW	.0	5.2	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
CALM	.3	56.3													56.3
TOTAL	.4	71.9	.2	26.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	78.9

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 6 / NIGHT

STATION NUMBER: 13736

NO. OBS.: 136

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.2	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.6
NNE	.0	.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NE	.1	5.1	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.1
ENE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
E	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
ESE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SSE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
S	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
SSW	.0	1.5	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.9
SW	.0	2.2	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.1
WSW	.0	.7	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
W	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NNW	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.5	52.2													.5 52.2
TOTAL	.7	71.3	.3	27.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.0 100

CEILING-VISIBILITY

WIND GRAPH

